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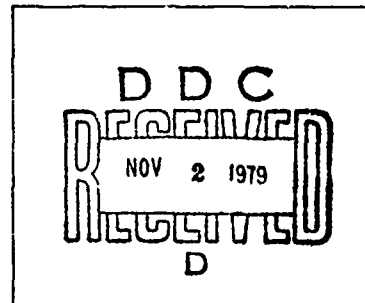
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**A076076**

USAFETAC/DS-79/082

**DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )**

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

CHANUTE AFB ILLINOIS/RANTOUL      WBAN #14806  
N 40 18 W 088 09 ELEV 747 FT KRAM      WMO #72531

PARTS A-F  
POR FROM HOURLY OBS: JUL 36-DEC 70  
POR FROM DAILY OBS: SEP 36-DEC 70

OCT 27 1972

**FEDERAL BUILDING  
ASHEVILLE, N. C.**

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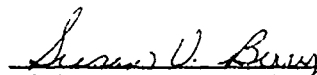


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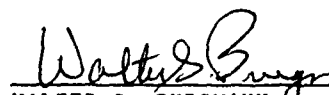
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SUSAN V. BERRY, 2 Lt, USAF  
Information Retrieval  
Manager

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
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Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Chanute AFB, Rantoul, Illinois		Final rept.															
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for Chanute AFB, Rantoul, Illinois</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

DD FORM 1473

JAN 73

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Illinois

\* Chanute AFB, IL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION  
UNAFETAC OL-1  
AIR WEATHER SERVICE (MAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS:

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
14806	CHANUTE AFB ILLINOIS/RANTOUL	N 40 18	W 088 09	747	KRAN	72531

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	FILE BAROMETER	
1	Chanute Fld Illinois	AAF	Jul 36	Mar 48	N 40 18	W 088 09	737	742	24
2	Chanute AFB Illinois	AFB	Apr 48	Jun 49	Same	Same	Same	744	24
3	Same	Same	Jul 49	Jun 50	Same	Same	Same	747	24
4	Same	Same	Jul 50	Feb 56	Same	Same	747	741	24
5	Same	Same	Mar 56	Feb 60	Same	Same	Same	753	24
6	Same	Same	Mar 60	Apr 63	Same	Same	Same	Same	24
7	Same	Same	May 63	Mar 64	Same	Same	Same	Same	19
8	Same	Same	Apr 64	Mar 66	Same	Same	Same	Same	18
9	Same	Same	Apr 66	Oct 70	Same	Same	Same	Same	17
10	Same	Same	Nov 70	Dec 70	Same	Same	Same	Same	12 & 17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 36 to Feb 41	Located on the Operations Bldg.	Anemometer	None	47 Ft	
2	Mar 41 to Jun 43	Located on Annex to new Flight Hangar.	Same	None	115 Ft	
3	Jul 43 to Mar 48	Not Available.	Selsyn	ML-144B	N/A	
4	Apr 48 to Feb 53	Not Available.	Same	Same	N/A	
5	Mar 53 to Feb 56	Located at 40o17'25"N and 088o08'54"W.	Same	Same	191/4Ft	
6	Mar 56 to Feb 58	Located 1000 ft SW of Station.	Same	Same	13 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 58 to Feb 59	Located .5 mile SW of Station.	AN/GMQ-11	RO2/GMQ	13 Ft	
8	Mar 59 to Feb 60	Located 3100 ft SSW of Station.	Same	Same	Same	
9	Mar 60 to Feb 61	1. Located on the ROS. 2. Located 6/10 mile S of Wea. Stn.	Same Same	Same	36 Ft 13 Ft	
10	Mar 61 to Feb 62	Located 6/10 mile S of Wea. Stn.	Same	RO2/GMQ	13 Ft	
11	Mar 62 to Feb 66	Located 1200 ft from the end of Rnwy 27, 500 ft N of Rnwy 27. 700 ft S of ROS.	Same	Same	10 Ft	
12	Mar 66 to Feb 68	Located 1200 ft NW of approach end of Instrument Rnwy 27.	T-420B GMQ-11	RO-2B	13 Ft	
13	Mar 68 to Dec 70	Located 500 ft from centerline and 2800 ft from approach end of Instr- ument Rnwy 27.	Same	Same	Same	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.



Blowing Snow - This item if reported, is not shown in a separate category on this form but is included in the Precipitation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/11AC

## WEATHER CONDITIONS

14806  
STATION

CHARLESTON ILLINOIS/KANTOUL  
STATION NAME

36-70  
YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.1	6.7	1.3	9.3		17.1	24.3	23.8	1.3	.1	46.6	23879
FEB		.2	5.7	.4	9.0	.0	15.1	19.8	24.1	1.7	.1	42.0	21758
MAR		.4	9.0	.3	6.5	.0	15.6	16.5	18.2	1.1	.1	33.0	23877
APR		1.6	11.5	.0	1.3	.0	12.6	10.1	11.9	.1	.2	21.2	23043
MAY		1.9	9.7		.0	.0	9.7	9.1	9.5		.2	17.4	23626
JUN		3.0	7.0			.0	7.0	7.7	8.9		.1	15.6	22903
JUL		2.4	4.3			.0	4.3	6.9	12.0		.0	17.8	24030
AUG		1.8	4.4			.0	4.4	9.9	15.7		.0	24.0	24046
SEP		1.1	3.6		.0	.0	5.6	10.3	11.0		.0	20.0	23514
OCT		.5	7.3		.1		7.6	12.1	15.4		.0	27.2	24388
NOV		.2	8.1	.1	4.1		12.1	15.8	19.6	.4	.1	33.2	23576
DEC		.1	7.8	.8	7.5		15.8	23.6	24.3	1.2	.0	44.7	24371
TOTALS		1.1	7.4	.3	3.2	.0	10.7	13.9	16.3	.5	.1	28.6	283024

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AAC

## WEATHER CONDITIONS

14806  
STATION

CHARLE AFB ILLINOIS/RA-119  
STATION NAME

57-70  
YEARS

08  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LT)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
J.	00-02	.0	6.4	1.5	9.3		16.9	26.3	22.1	1.7		46.1	2542
	03-05	.0	6.4	1.5	9.6		17.2	29.1	22.0	1.5		42.9	2510
	06-08	.0	6.7	1.7	9.2		17.4	30.0	26.4	1.4		52.3	3035
	09-11	.1	6.9	1.3	10.3		18.6	26.5	26.9	1.4	.2	50.6	3150
	12-14	.1	6.9	1.2	9.3		17.0	20.4	23.3	1.4	.3	43.7	3159
	15-17		7.3	1.0	9.6		16.5	27.6	24.6	1.3	.3	44.4	3151
	18-20	.1	6.6	1.6	9.9		16.7	22.2	24.2	1.0	.1	44.7	3160
	21-23	.2	6.2	1.6	9.8		16.1	22.8	21.0	1.4	.0	47.3	3160
TOTALS		.1	6.7	1.5	9.3		17.1	24.0	23.8	1.3	.1	46.6	23879

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AF

# WEATHER CONDITIONS

14806  
STATION

COMBAT AIR FIELD, S. KENTUCKY  
STATION NAME

37-70  
YEARS

FFB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LS-)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN 2" OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
01-02	00-02	.2	7.7	1.0	4.2		17.6	21.6	21.9	1.6		41.5	2315
03-04	03-05	.3	6.8	1.2	8.5		16.2	23.7	24.5	1.4		45.2	2285
05-06	06-08	.1	6.4	1.0	9.6		17.0	27.8	30.0	1.2	.1	53.1	2765
07-08	09-11	.1	7.0	.6	9.3		16.7	20.7	28.6	1.7	.1	46.6	2877
09-10	12-14		6.5	.7	9.5		16.2	15.4	22.4	2.0	.2	36.9	2880
11-12	15-17	.1	6.0	.4	9.2		15.3	15.1	21.6	2.0	.2	36.2	2879
13-14	18-20	.3	6.2	.3	8.0	.0	14.2	16.7	23.8	1.8	.1	39.7	2880
15-16	21-23	.5	6.7	.8	8.3		15.5	17.2	20.0	2.1	.1	36.7	2877
TOTALS		.2	6.7	.8	9.0	.0	16.1	19.8	24.1	1.7	.1	42.0	21758

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14806

STATION

CHARLOTTE AFB ILLINOIS/RANTJUL

STATION NAME

37-70

YEARS

YEAR

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.4	9.3	.2	0.0		15.6	16.7	18.3	1.4		33.5	2532
	03-05	.4	8.6	.3	6.0	.0	14.8	21.2	20.0	1.2		38.1	2510
	06-08	.6	9.1	.5	7.2	.1	16.6	26.4	27.3	1.3	.1	49.5	3036
	09-11	.3	8.9	.4	6.9	.0	15.8	16.5	19.0	1.2	.1	34.9	3162
	12-14	.3	8.7	.3	6.5	.0	13.0	12.2	14.5	1.0	.2	26.4	3158
	15-17	.3	8.8	.3	6.5		15.4	12.0	12.7	1.1	.1	24.2	3162
	18-20	1.5	9.0	.2	6.1	.0	15.1	12.8	17.8	.7	.1	29.4	3160
	21-23	.9	9.8	.3	6.7		16.6	13.9	15.7	1.0	.0	28.0	3157
TOTALS		.6	9.0	.3	6.5	.0	15.6	16.5	18.2	1.1	.1	33.0	23877

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

14806

GRANVILLE AFB ILLINOIS/RANTOUL

37-70

APR

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	2.3	11.8	.0	1.4		13.1	11.4	11.5	.2		21.4	2418
	03-05	1.7	12.6		.9	.1	13.4	16.0	16.1	.1		30.5	2424
	06-08	1.2	11.4		1.4		12.7	16.4	20.1	.1	.1	34.2	2943
	09-11	.9	10.7	.0	1.5		12.0	8.8	12.0	.1	.2	19.4	3060
	12-14	1.0	10.5		1.6	.0	11.7	7.4	8.5	.1	.6	15.4	3060
	15-17	1.2	10.4	.1	1.1	.1	11.3	6.6	7.8	.1	.6	14.4	3058
	18-20	2.3	12.5	.1	1.2		13.6	7.7	10.1	.1	.3	17.2	3058
	21-23	2.1	11.9	.1	1.2		13.2	9.4	9.0	.1	.1	17.4	3027
TOTALS		1.6	11.5	.0	1.3	.0	12.6	10.6	11.9	.1	.2	21.2	23048

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## WEATHER CONDITIONS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTU JL  
STATION NAME

37-70  
YEARS

DAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND, OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	1.5	10.2		.1		10.3	11.4	9.3			19.5	2407
	03-05	1.2	10.7		.0		10.7	20.6	13.7			31.4	2510
	06-08	1.1	9.5		.0		9.6	15.5	14.4		.1	27.4	3160
	09-11	1.0	9.2		.1		9.2	7.2	8.4		.4	14.9	3154
	12-14	1.7	9.7			.1	9.7	4.3	5.8		.5	9.8	3160
	15-17	2.9	9.7			.0	9.7	3.3	6.9		.4	9.8	3147
	18-20	2.7	9.2			.0	9.2	4.6	8.5		.2	12.4	3155
	21-23	2.7	9.4				9.4	6.2	8.6		.1	13.7	2933
TOTALS		1.9	9.7		.0	.0	9.7	9.1	9.5		.2	17.4	2,526

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14806

CHANUTE AFB ILLINOIS/RANTOUL

37-70

JUN

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L-T)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02	3.4	8.0				8.0	11.5	6.8			17.4	2337
	03-05	2.0	7.7			.0	7.7	20.9	13.0			31.6	2427
	06-08	1.7	6.3				6.3	12.5	14.6			24.6	3060
	09-11	1.5	5.5			.0	5.5	3.8	9.3		.2	12.6	3057
	12-14	2.7	6.9				6.9	2.2	6.1		.1	8.1	3060
	15-17	4.5	6.9			.0	6.9	1.8	6.0		.1	7.6	3059
	18-20	4.1	6.9				6.9	3.1	7.6		.1	10.4	3055
	21-23	3.9	7.9				7.9	5.4	7.5			12.3	2848
TOTALS		3.0	7.0			.0	7.0	7.7	8.9		.1	15.6	22903



3  
DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	2.8	5.0				5.0	7.7	11.2			18.2	2418
	03-05	2.4	5.6				5.6	21.4	16.3			34.8	2538
	06-08	1.4	4.8				4.8	15.0	19.4			31.2	3223
	09-11	1.4	4.1				4.1	3.4	11.6		.1	14.5	3252
	12-14	1.8	3.5				3.5	1.7	8.2			9.0	3252
	15-17	3.0	3.9				3.9	1.0	7.4			8.1	3252
	18-20	3.0	3.7				3.7	2.0	11.1			12.6	3160
	21-23	3.3	4.0			.0	4.0	3.8	11.1			13.8	2943
TOTALS		2.4	4.3			.0	4.3	6.9	12.0		.0	17.8	24038

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14806  
STATION

CHARLOTTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
4/10	00-02	2.7	5.0				5.0	12.9	13.2			24.9	2415
	03-05	2.5	5.3				5.3	27.4	19.0			42.7	2541
	06-08	1.2	5.5				5.5	22.6	28.1			45.1	3229
	09-11	.7	4.5				4.5	4.5	17.1			21.0	3253
	12-14	1.2	3.8				3.6	1.7	11.1			12.6	3253
	15-17	1.2	3.8			.0	3.8	1.3	9.6		.1	10.8	3251
	18-20	2.3	3.6			.0	3.6	2.4	13.8		.0	15.6	3163
	21-23	2.3	4.0				4.0	6.0	14.0		.0	19.1	2941
TOTALS		1.8	4.4			.0	4.4	9.7	15.7		.0	24.0	24046

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

14806 CHANDLER AIR ILLINOIS/RANTUHL 36-70 SEP  
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH CBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	1.4	5.0				5.0	11.6	10.0			20.4	2457
	03-05	1.1	6.2				6.2	22.7	13.6			34.0	2538
	06-08	.7	6.4				6.4	24.8	21.9		.1	41.7	3145
	09-11	.4	5.1				5.1	5.6	12.3			17.3	3145
	12-14	.9	5.1		.1		5.1	2.8	6.5		.1	9.2	3147
	15-17	1.6	6.5		.0		6.5	3.1	5.7		.0	8.6	3146
	18-20	1.4	5.5				5.5	4.7	8.8			13.1	3072
	21-23	1.5	5.2			.0	5.2	6.9	9.3		.0	15.4	2864
TOTALS		1.1	5.6		.0	.0	5.6	10.3	11.0		.0	20.0	23514

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14806 CHANUTE AFB ILLINOIS/RANTJUL 36-70 OCT  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.5	7.5		.1		7.5	15.0	16.5			32.1	2586
	03-05	.4	7.5		.2		7.7	21.3	20.6			39.8	2637
	06-08	.4	8.1		.2		8.3	25.8	26.2			46.9	3229
	09-11	.1	7.4		.1		7.5	9.0	17.3		.1	25.7	3254
	12-14	.5	6.6		.2		6.8	4.9	8.6		.0	13.5	3254
	15-17	.6	6.8		.1		6.8	5.2	9.9		.2	15.1	3251
	18-20	.7	7.6		.0		7.6	6.4	14.8		.0	20.8	3177
	21-23	.7	8.3		.1		8.3	9.2	15.2			23.5	3000
TOTALS		.5	7.5		.1		7.6	12.1	16.4		.0	27.2	24388

3 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14866

CHANDLER AFB ILLINOIS/KANTJL

36-70

NOV

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02	.1	8.7	.2	3.7		12.4	16.4	18.4	.6	.1	33.4	2450
	03-05	.2	8.6		4.3		12.8	16.7	19.0	.5	.1	35.5	2392
	06-08	.1	8.6	.1	4.2		12.8	29.0	27.5	.3	.1	50.1	2998
	09-11	.3	7.8	.1	4.6		12.3	16.7	24.4	.4	.1	38.4	3148
	12-14	.2	8.8	.1	4.4		11.0	10.9	15.8	.5	.1	25.9	3149
	15-17	.3	8.2	.1	3.5		11.5	10.6	16.6	.2	.1	26.0	3148
	18-20	.2	7.9	.2	3.7		11.6	10.7	17.4	.2		27.3	3145
	21-23	.2	7.9	.3	4.1		12.1	13.0	17.5	.3		29.0	3145
TOTALS		.2	8.1	.1	4.1		12.1	15.8	19.6	.4	.1	33.2	23576

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		8.6	.9	6.7		16.0	24.4	23.9	1.0		45.2	2536
	03-05	.0	8.3	1.0	7.1		16.0	27.0	23.0	1.3		46.8	2511
	06-08	.1	7.7	1.2	7.8		16.4	30.6	27.2	1.3		52.7	3097
	09-11		8.1	.6	9.2		17.7	25.8	29.1	1.6	.0	50.9	3253
	12-14	.1	6.9	.8	8.4		15.7	19.5	22.9	1.7	.1	40.6	3251
	15-17	.1	7.1	.5	6.7		13.9	19.3	23.3	1.2		40.4	3234
	18-20	.2	7.5	.5	7.1		14.6	20.0	22.8	.9		40.2	3245
	21-23		7.9	1.2	7.3		16.3	22.1	22.0	.9		40.6	3224
TOTALS		.1	7.8	.8	7.5		15.8	23.6	24.3	1.2	.0	44.7	24371

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXX  
WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

14800

CHANDLER AFB ILLINOIS/RANTOUL

46-63

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	1.4	23.5	11.7	42.6	.2	59.2	47.8	57.0	8.7		76.0	554
FEB		3.5	28.1	7.1	36.0	1.0	56.3	46.3	60.8	8.3		77.0	508
MAR		8.0	34.1	1.6	30.0	1.8	60.0	44.0	63.6	7.2		74.5	557
APR		16.7	42.0	.2	8.3	2.6	52.3	34.7	43.0	.9		56.5	533
MAY		16.2	41.9	.2	.4	.8	51.8	34.5	37.8		.2	49.7	527
JUN		25.2	38.2			1.4	47.0	34.3	34.8		.4	49.8	508
JUL		23.1	34.5			.6	39.8	38.1	41.4			54.1	527
AUG		20.5	30.4			.9	34.9	45.9	57.1			66.6	527
SEP		17.9	41.1	.2	.4	.7	50.6	35.0	38.3		.2	49.9	543
OCT		5.7	26.5		2.2	.2	31.9	42.5	48.6			61.1	558
NOV		2.7	26.1	1.4	19.6		47.3	42.5	52.4	2.5	.2	66.5	510
DEC		1.5	25.2	5.5	32.1		52.6	47.8	58.1	5.3		74.8	527
TOTALS		12.1	32.6	2.3	14.3	.8	48.6	41.1	49.4	2.7	.1	63.0	6379



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1950,  
~~but has been removed from this summary~~

3 DATA PROCESSING DIVISION  
USAF FTAI  
AIR FORCE SERVICE/AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

14800 STATION 14800 STATION NAME 19-64 69-70 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-43	44-60	61-120	OVER 120					
JAN	43.4	27.4	3.5	7.0	4.0	6.8	3.0	2.6	1.4	.1				24.5	810	1.93	6.57	.20
FEB	45.8	27.7	2.9	7.2	4.3	6.4	4.7	2.6	1.7					22.9	753	1.89	4.03	.49
MAR	42.2	27.7	2.5	7.4	5.0	7.9	5.3	4.2	1.2	.1				20.2	837	2.07	7.50	.91
APR	60.4	17.1	1.7	5.1	4.1	9.1	6.2	7.8	1.7	.3				26.5	747	3.91	8.63	1.69
MAY	65.1	17.2	2.4	6.2	4.0	8.6	7.4	6.2	1.9		.1			20.7	906	3.75	8.94	1.17
JUN	50.2	15.5	1.5	6.5	3.8	5.4	4.6	6.9	3.7	.4				23.6	740	4.44	9.69	1.50
JUL	52.4	1.0	2.2	4.2	3.4	4.3	4.4	3.0	3.7	.4				26.2	806	3.76	12.44	.96
AUG	66.5	17.7	1.7	4.1	2.5	4.6	3.2	3.7	2.2	.2				22.6	806	2.82	7.57	1.00
SEP	61.0	16.7	1.5	4.6	2.4	4.9	4.6	3.7	2.3	.3				24.1	740	4.04	9.84	.14
OCT	65.4	11.5	.9	3.2	2.9	4.6	4.4	4.3	2.4	.1				21.4	806	3.22	9.37	.40
NOV	52.7	17.7	2.0	6.3	3.8	6.8	4.0	4.7	.7					29.6	810	2.38	5.55	.84
DEC	47.8	24.7	3.7	6.5	3.7	7.0	3.7	2.9	.2	.1				21.3	847	1.70	6.82	.30
ANNUAL	52.2	18.4	2.3	5.8	3.7	5.2	4.8	4.4	2.4	.2	.0			27.4	9417	35.90		

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

14000  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-64, 69-70  
YEARS

24 HOUR AMOUNTS 10 INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
34		1.17	3.24	1.43	.36	1.52	1.87	1.33	.39	1.29	.59	.44	
40	.22	.17	.22	1.27	.71	1.82	.76	1.02	.47	1.06	.21	.53	1.52
41	.22	.31	.51	.90	1.69	2.65	1.77	.69	1.37	2.14	.57	.17	2.69
42	1.22	1.42	1.22	.81	.60	.40	.97	1.06	.89	.92	2.13	1.32	2.13
43	.10	.84	1.24	.51	1.46	1.60	2.02	3.30	.43	1.80	.95	.23	3.30
44	.10	1.11	.41	1.99	1.13	.85	.97	.81	1.50	.71	.71	.52	1.85
45	.20	.70	.79	.90	.94	.87	.63	1.31	1.76	1.24	.47	.87	1.76
46	.77	1.09	2.33	.81	1.42	2.80	.91	1.13	.99	2.29	.22	.72	2.20
47	1.09	.41	1.33	2.02	.86	1.40	.50	1.49	1.92	1.16	.69	.97	2.02
48	.92	1.20	1.52	.86	1.02	1.34	1.61	1.40	1.50	.43	.66	1.29	1.92
49	1.17	1.51	1.16	.75	1.43	.73	1.19	.33	.58	2.11	.87	2.80	2.30
50	1.42	1.10	.40	.91	.53	1.99	2.39	1.43	2.60	.94	.97	.57	2.60
51	1.11	.69	.73	.83	1.10	1.12	2.60	2.22	.67	1.57	.76	.67	2.60
52	.73	.38	.87	.94	1.13	1.73	.49	1.16	.72	.68	.51	.47	1.73
53	.37	.76	2.04	.92	.92	.67	4.24	.57	.42	1.28	.19	.37	4.24
54	1.56	.60	.61	1.50	.64	.62	.40	1.41	.02	1.87	.32	.70	1.67
55	1.47	.67	.61	1.09	2.03	.90	2.63	2.09	1.04	2.21	.36	.15	2.63
56	.22	.51	.31	.86	6.01	1.06	1.97	.84	.86	.28	.79	.69	6.01
57	.59	2.00	.51	1.42	.97	2.02	2.33	.80	.78	2.54	1.33	.97	2.34
58	1.07	.32	.51	.62	.69	2.99	2.40	1.23	1.50	.24	1.68	.30	2.99
59	2.61	1.04	1.11	.83	1.04	1.92	.41	.63	1.98	1.89	1.67	.79	2.61
60	.51	.63	.52	.71	.70	1.98	2.01	.93	1.32	.75	.81	.34	2.61
61	.14	.43	.96	2.80	.71	1.13	1.16	.84	.84	.93	.97	.30	2.80
62	1.32	.60	.82	1.11	1.10	1.22	2.43	1.31	2.37	.06	.58	.11	2.43
63	.32	.34	2.04								1.39	.20	
64	.78	.40											
65			1.41	.91	.44	1.07	.53	2.00	1.63	1.67	.78	.14	
66	.11	.23	.32	2.69	1.24	1.25	1.80	.50	3.93	1.02	.32	.30	3.93
67													
68													
69													
70													
MEAN	.79	.76	1.06	1.16	1.19	1.42	1.55	1.31	1.20	1.31	.98	.63	2.05
S.D.	.602	.449	.697	.592	1.037	.677	.954	.734	.850	.648	.429	.548	.978
TOTAL OBS.	806	762	837	780	806	780	306	806	780	806	810	837	9617

DATA PROCESSING DIVISION  
USAF ETAC  
AIR STATION SERVICE/PAC

# EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

14300  
STATION

CHANDLER AFB ILLINOIS/RAHNDOL  
STATION NAME

56-69, 69-70

YEARS

24 HOUR AMOUNTS IN INCHES  
BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
56									.01 19	TRACE 20	TRACE 24	.01 12	PRECIP DAYS
57	TRACE 15	TRACE 13	.01 14	.01 13	TRACE 14	.01 19	.01 23	TRACE 23	TRACE 24	TRACE 18	.01 16	TRACE 12	PRECIP DAYS
58	TRACE 17	TRACE 10	TRACE 9	.01 14	TRACE 12	.01 13	.01 19	.01 19	.01 19	.01 26	.01 13	.01 19	PRECIP DAYS
59	.01 12												PRECIP DAYS
60				2.02 29	0	0	0	0	.11 16	1.03 30			PRECIP DAYS
61			.44 31	0	0	0	0	0	0	0	0	0	PRECIP DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
66	0	.06 9											PRECIP DAYS
67													
68													
69													
70													
MEAN													
S. D.													
TOTAL OBS.													

3 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SHOW FALL  
 (FROM DAILY OBSERVATIONS)

1461 STATION 5001-1-24 ILLINOIS/AMT 01 20-64 19-71 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 2 50	2 51 5 00	5 01 10 00	10 01 20 00	OVER 20 00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7-12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	51.2	46.2	6.0	4.1	4.7	.5	.3	.2	.2					15.5	62	4.4	13.4	TRACE
FEB	64.4	43.7	3.3	2.1	2.2	1.2	.1	.1						14.3	392	5.9	11.6	TRACE
MAR	57.5	4.0	3.4	1.3	1.6	.5	.3	.3						1.7	67	3.3	14.5	TRACE
APR	77.1	5.3	.3	.3	.3	.2	.1							2.8	376	.9	3.9	.0
MAY	97.1	.													119	TRACE	TRACE	.0
JUN	100.0														875	.0	.0	.0
JUL	100.0														549	.0	.0	.0
AUG	100.0														557	.0	.0	.0
SEP	100.0														570	.0	.0	.0
OCT	95.4	1.0													423	TRACE	TRACE	.0
NOV	61.2	17.3	2.4	1.9	1.0	.5	.	.2	.2					3.4	677	2.2	13.8	.0
DEC	67.4	17.5	5.2	4.4	1.1	1.3	.2	.2	.2					11.0	626	4.8	12.7	TRACE
ANNUAL	65.9	9.7	1.8	1.7	.8	.2	.2	.1	.1					5.1	710	22.2		

DATA PROCESSING DIVISION  
USAF ETAC  
AIR LEAFER SERVICE/MAC

# EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION CHARLE AFB ILLINOIS/KANTILL 6-64, 69-70

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
41	3.5	2.0	1.0	2.5	.0	.0	.0	.0	.0	.0	.0	1.0	3.5
42	1.0	4.0	4.0	TRACE	.0	.0	.0	.0	.0	.0	2.1	1.0	4.0
43	1.5	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	TRACE	4.5	4.5
44	.0	1.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	2.0
45	TRACE	3.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	2.9	8.4	8.4
46	2.2	2.0	1.8	.0	.0	.0	.0	.0	.0	.0	4.4	4.5	9.4
47	2.0	2.0	.0	TRACE	.0	.0	.0	.0	.0	TRACE	.6	4.7	5.0
48	1.5	TRACE	1.2	TRACE	.0	.0	.0	.0	.0	.0	1.2	ACE	1.0
49	.3	2.2	3.0	TRACE	TRACE	.0	.0	.0	.0	TRACE	2.5	1.1	3.8
50	2.2	2.0	3.1	.0	.0	.0	.0	.0	.0	TRACE	1.8	1.3	3.1
51	2.2	3.0	3.1	.0	.0	.0	.0	.0	.0	.0	1.1	2.7	5.0
52	1.7	TRACE	1.2	4.5	.0	.0	.0	.0	.0	.0	TRACE	3.2	4.3
53	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.8	1.5	2.8
54	6.0	2.0	2.0	TRACE	.0	.0	.0	.0	.0	TRACE	2.2	1.7	6.0
55	1.6	3.4	5.3	.3	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	5.3
56	2.8	3.0	.2	2.1	.0	.0	.0	.0	.0	TRACE	4.0	3.7	4.6
57	3.7	4.0	2.1	2.3	.0	.0	.0	.0	.0	TRACE	TRACE	1.3	4.0
58	2.0	6.4	TRACE							.0	TRACE	1.8	
59	7.2	.0											
60	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.4	
61	1.1	2.3	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	2.7
62													
63													
64													
65													
66													
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96													
97													
98													
99													
00													
MEAN	2.37	2.64	2.04	.68	TRACE	.00	.00	.00	.00	TRACE	1.61	2.50	4.43
S D	1.838	1.714	1.584	1.211	.000	.000	.000	.000	.000	.000	2.256	1.936	1.997
TOTAL OBS	670	593	620	570	589	570	569	589	570	620	600	620	7150

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

1980 STATION CHICAGO AFB ILLINOIS/RAHTEL 66-69 69-70 YEARS

24 HOUR AMOUNTS 1+ INCHES  
BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1									0	0	0	0	SNOWFALL DAYS
2	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
3	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
4	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
5	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
6	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
7	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
8	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
9	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
10	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
11	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
12	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
13	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
14	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
15	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
16	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
17	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
18	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
19	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
20	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
21	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
22	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
23	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
24	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
25	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
26	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
27	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
28	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
29	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
30	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
31	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
MEAN													
S D													
TOTAL OBS													

DATA PROCESSING DIVISION  
USAF ETAC  
AIR EATER SERVICE/MAC

## EXTREME VALUES

SUNFALL  
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
14864	COAHUILA DE ALLAMOS/RANCHO	46-64, 69-70

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN A FULL MONTHS/

[illegible]



3 DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

14205 STATION C AMPLE ANG ILLINOIS/KANTJUL 59-70 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	.11-25	26-50	.51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNG/VEAL	NONE	TRACL	0104	0514	1524	2534	3544	4564	65104	105154	155254	255504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	51.5	2.0	7.0	5.5	4.9	4.1	.0							25.0	971			
FEB	50.3	2.7	7.1	5.1	2.1	2.7	1.4							11.2	847			
MAR	81.1	0.2	3.1	2.2	1.0	1.4	2.1	.1						15.7	922			
APR	97.9	1.5	.3	.3										.7	977			
MAY	100.0														947			
JUN	100.0														907			
JUL	100.0														992			
AUG	100.0														992			
SEP	100.0														900			
OCT	100.0														992			
NOV	90.0	5.1	2.3	1.0	.2	.2								1.7	910			
DEC	65.6	10.0	8.2	5.7	3.2	4.5	1.9							23.5	951			
ANNUAL	87.1	5.0	2.4	1.7	.9	1.4	.3	.0						1.0	11477			

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

14865  
STATION

CHARTER AFB ILLINOIS/RAVTHUL  
STATION NAME

39-70  
YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC.	ALL MONTHS
30		7	TRACE	TRACE	0	0	0	0	0	0	TRACE	7	
40	0	1	TRACE	TRACE	0	0	0	0	0	0	0	0	6
50	4	2	TRACE	0	0	0	0	0	0	0	1	2	4
60	TRACE	3	TRACE	0	0	0	0	0	0	0	0	7	7
70	1	TRACE	2	0	0	0	0	0	0	0	TRACE	5	5
80	TRACE		TRACE	0	0	0	0	0	0	0	1	0	
90	5	2	TRACE	0	0	0	0	0	0	0	TRACE	7	7
00	7	2	2	0	0	0	0	0	0	0	0	2	2
10	4	2	4	0	0	0	0	0	0	0	TRACE	1	4
20	2	3	4	0	0	0	0	0	0	0	0	3	4
30	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	0	7	2
40	TRACE	2	2	0	0	0	0	0	0	0	0	1	2
50	1	4	3	TRACE	0	0	0	0	0	0	4	7	7
60	3	2	5	TRACE	0	0	0	0	0	0	1	4	5
70	2	TRACE	2	TRACE	0	0	0	0	0	0	1	TRACE	2
80	TRACE	1	1	0	0	0	0	0	0	0	1	1	1
90	2	2	1	0	0	0	0	0	0	0	2	1	2
00	3	6	2	TRACE	0	0	0	0	0	0	1	3	6
10	2	3	2	2	0	0	0	0	0	0	0	3	3
20	TRACE	1	2	0	0	0	0	0	0	0	2	2	2
30	3	2	5	0	0	0	0	0	0	0	2	3	5
40	3	7	14	0	0	0	0	0	0	0	TRACE	7	14
50	3	7	1	2	0	0	0	0	0	0	2	5	7
60	6	4	2	1	0	0	0	0	0	0	0	1	6
70	6	8	8	0	0	0	0	0	0	0	0	3	
80	8	6	5	0	0	0	0	0	0	0	1	3	6
90	5		4	0	0	0	0	0	0	0	0	0	
00	0	2	2	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	2	7	2
20	10	0	4	0	0	0	0	0	0	0			
MEAN													
S.D.													
TOTAL OBS													

## EXTREME VALUES

14600	CINCOTE AFB ILLINOIS/RANTGUL	39-70
STATION	STATION NAME	

DAILY SNOW DEPTH IN INCHES

[illegible]

USAF ETAC FORM 088.5 (OU)  
JUL 64

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DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1969, and in tens of degrees starting in January 1970. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SERVICE/AC

# EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NAME: CHICKASAW AFB, MISSISSIPPI/RAINTUL

46-70

YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1			SS	40			43			SS	40	175	40
2	61	47	40	40	40	40	40	40	40	40	40	40	40
3	55	47	40	40	40	40	40	40	40	40	40	40	40
4	52	40	40	40	40	40	40	40	40	40	40	40	40
5	47	40	40	40	40	40	40	40	40	40	40	40	40
6	40	40	40	40	40	40	40	40	40	40	40	40	40
7	40	40	40	40	40	40	40	40	40	40	40	40	40
8	40	40	40	40	40	40	40	40	40	40	40	40	40
9	40	40	40	40	40	40	40	40	40	40	40	40	40
10	40	40	40	40	40	40	40	40	40	40	40	40	40
11	40	40	40	40	40	40	40	40	40	40	40	40	40
12	40	40	40	40	40	40	40	40	40	40	40	40	40
13	40	40	40	40	40	40	40	40	40	40	40	40	40
14	40	40	40	40	40	40	40	40	40	40	40	40	40
15	40	40	40	40	40	40	40	40	40	40	40	40	40
16	40	40	40	40	40	40	40	40	40	40	40	40	40
17	40	40	40	40	40	40	40	40	40	40	40	40	40
18	40	40	40	40	40	40	40	40	40	40	40	40	40
19	40	40	40	40	40	40	40	40	40	40	40	40	40
20	40	40	40	40	40	40	40	40	40	40	40	40	40
21	40	40	40	40	40	40	40	40	40	40	40	40	40
22	40	40	40	40	40	40	40	40	40	40	40	40	40
23	40	40	40	40	40	40	40	40	40	40	40	40	40
24	40	40	40	40	40	40	40	40	40	40	40	40	40
25	40	40	40	40	40	40	40	40	40	40	40	40	40
26	40	40	40	40	40	40	40	40	40	40	40	40	40
27	40	40	40	40	40	40	40	40	40	40	40	40	40
28	40	40	40	40	40	40	40	40	40	40	40	40	40
29	40	40	40	40	40	40	40	40	40	40	40	40	40
30	40	40	40	40	40	40	40	40	40	40	40	40	40
31	40	40	40	40	40	40	40	40	40	40	40	40	40
32	40	40	40	40	40	40	40	40	40	40	40	40	40
33	40	40	40	40	40	40	40	40	40	40	40	40	40
34	40	40	40	40	40	40	40	40	40	40	40	40	40
35	40	40	40	40	40	40	40	40	40	40	40	40	40
36	40	40	40	40	40	40	40	40	40	40	40	40	40
37	40	40	40	40	40	40	40	40	40	40	40	40	40
38	40	40	40	40	40	40	40	40	40	40	40	40	40
39	40	40	40	40	40	40	40	40	40	40	40	40	40
40	40	40	40	40	40	40	40	40	40	40	40	40	40
41	40	40	40	40	40	40	40	40	40	40	40	40	40
42	40	40	40	40	40	40	40	40	40	40	40	40	40
43	40	40	40	40	40	40	40	40	40	40	40	40	40
44	40	40	40	40	40	40	40	40	40	40	40	40	40
45	40	40	40	40	40	40	40	40	40	40	40	40	40
46	40	40	40	40	40	40	40	40	40	40	40	40	40
47	40	40	40	40	40	40	40	40	40	40	40	40	40
48	40	40	40	40	40	40	40	40	40	40	40	40	40
49	40	40	40	40	40	40	40	40	40	40	40	40	40
50	40	40	40	40	40	40	40	40	40	40	40	40	40
51	40	40	40	40	40	40	40	40	40	40	40	40	40
52	40	40	40	40	40	40	40	40	40	40	40	40	40
53	40	40	40	40	40	40	40	40	40	40	40	40	40
54	40	40	40	40	40	40	40	40	40	40	40	40	40
55	40	40	40	40	40	40	40	40	40	40	40	40	40
56	40	40	40	40	40	40	40	40	40	40	40	40	40
57	40	40	40	40	40	40	40	40	40	40	40	40	40
58	40	40	40	40	40	40	40	40	40	40	40	40	40
59	40	40	40	40	40	40	40	40	40	40	40	40	40
60	40	40	40	40	40	40	40	40	40	40	40	40	40
61	40	40	40	40	40	40	40	40	40	40	40	40	40
62	40	40	40	40	40	40	40	40	40	40	40	40	40
63	40	40	40	40	40	40	40	40	40	40	40	40	40
64	40	40	40	40	40	40	40	40	40	40	40	40	40
65	40	40	40	40	40	40	40	40	40	40	40	40	40
66	40	40	40	40	40	40	40	40	40	40	40	40	40
67	40	40	40	40	40	40	40	40	40	40	40	40	40
68	40	40	40	40	40	40	40	40	40	40	40	40	40
69	40	40	40	40	40	40	40	40	40	40	40	40	40
70	40	40	40	40	40	40	40	40	40	40	40	40	40
71	40	40	40	40	40	40	40	40	40	40	40	40	40
72	40	40	40	40	40	40	40	40	40	40	40	40	40
73	40	40	40	40	40	40	40	40	40	40	40	40	40
74	40	40	40	40	40	40	40	40	40	40	40	40	40
75	40	40	40	40	40	40	40	40	40	40	40	40	40
76	40	40	40	40	40	40	40	40	40	40	40	40	40
77	40	40	40	40	40	40	40	40	40	40	40	40	40
78	40	40	40	40	40	40	40	40	40	40	40	40	40
79	40	40	40	40	40	40	40	40	40	40	40	40	40
80	40	40	40	40	40	40	40	40	40	40	40	40	40
81	40	40	40	40	40	40	40	40	40	40	40	40	40
82	40	40	40	40	40	40	40	40	40	40	40	40	40
83	40	40	40	40	40	40	40	40	40	40	40	40	40
84	40	40	40	40	40	40	40	40	40	40	40	40	40
85	40	40	40	40	40	40	40	40	40	40	40	40	40
86	40	40	40	40	40	40	40	40	40	40	40	40	40
87	40	40	40	40	40	40	40	40	40	40	40	40	40
88	40	40	40	40	40	40	40	40	40	40	40	40	40
89	40	40	40	40	40	40	40	40	40	40	40	40	40
90	40	40	40	40	40	40	40	40	40	40	40	40	40
91	40	40	40	40	40	40	40	40	40	40	40	40	40
92	40	40	40	40	40	40	40	40	40	40	40	40	40
93	40	40	40	40	40	40	40	40	40	40	40	40	40
94	40	40	40	40	40	40	40	40	40	40	40	40	40
95	40	40	40	40	40	40	40	40	40	40	40	40	40
96	40	40	40	40	40	40	40	40	40	40	40	40	40
97	40	40	40	40	40	40	40	40	40	40	40	40	40
98	40	40	40	40	40	40	40	40	40	40	40	40	40
99	40	40	40	40	40	40	40	40	40	40	40	40	40
100	40	40	40	40	40	40	40	40	40	40	40	40	40
MEAN	27.2	30.2	42.8	44.2	62.2	42.8	35.7	25.9	25.1	36.2	28.8	36.2	35.2
S.D.	7.999	7.369	8.357	9.131	6.311	6.223	6.273	9.859	6.683	7.313	9.613	5.270	10.007
TOTAL OBS	607	669	731	656	671	394	674	644	649	734	777	670	6004

USAF ETAC FORM 0885 (OII)  
JUL 64

## EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION: STATION NAME: 66-70

YEARS

ALLY PLANT GUSTS IN WETS  
/ 1000' TO 1155' IN 1904 OBSERVATIONS FOR 1910-1912

[illegible]

USAF ERAC FORM 0885 (OII)

DATA PROCESSING DIVISION  
ITAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANUTE AFB ILLINOIS/KANTOUL  
STATION NAME

36-70  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.2	1.1	.2	.0	.0	.0				5.4	8.6
NNE	.5	1.1	2.0	1.0	.2	.0	.0	.0				4.9	8.5
NE	.8	1.3	2.1	1.0	.2	.1	.0	.0				5.4	8.3
ENE	.9	.9	1.4	.7	.2	.0	.0					3.7	8.3
E	.8	1.2	1.5	.7	.1	.0	.0					4.7	7.5
ESE	.3	.8	1.2	.5	.1	.0						3.1	7.6
SE	.8	1.3	2.0	.9	.2	.1	.0	.0				5.2	8.2
SSE	.7	1.3	2.1	1.2	.3	.1	.0	.0	.0			5.7	8.9
S	.9	1.8	3.3	2.3	.7	.2	.0	.0	.0			9.4	9.8
SSW	.5	1.1	2.5	2.1	.6	.2	.0	.0	.0			7.1	10.4
SW	.7	1.3	2.7	1.8	.5	.2	.0	.0	.0			7.3	9.8
WSW	.5	1.0	2.0	1.4	.4	.2	.0	.0	.0			5.6	10.7
W	.7	1.5	2.7	1.8	.5	.2	.0	.0	.0			7.4	9.8
WNW	.4	1.1	2.4	1.9	.5	.1	.0	.0				6.5	10.2
NW	.5	1.3	2.7	1.7	.4	.1	.0	.0				6.7	9.6
NNW	.4	.9	2.0	1.3	.2	.0	.0	.0				4.8	9.3
VARBL													
CALM												7.7	
	9.9	19.1	34.3	21.3	5.5	1.6	.3	.0	.0			100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

283019



DATA PROCESSING DIVISION  
ETAC/USAP  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14800 STATION CHARLE AFB ILLINOIS/RANTOUL 37-70 YEARS JAN MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.1	1.4	.3	.0	.0					5.4	9.2
NNE	.1	.9	1.5	1.0	.2	.1	.0					4.7	9.4
NE	.5	.9	1.0	.9	.3	.1	.0					4.2	9.2
ENE	.3	.7	1.2	.0	.1	.0						2.9	8.7
E	.4	.9	1.2	.7	.1	.0						3.3	8.3
ESE	.3	.0	1.1	.5	.1	.0						2.5	8.4
SE	.0	1.1	2.1	1.2	.2	.1	.0					5.3	9.0
SSE	.5	1.1	2.0	1.4	.4	.1	.0					5.4	9.6
S	.7	1.5	3.1	2.7	.8	.3	.1					9.2	10.5
SSW	.3	.9	2.2	2.0	.6	.2	.1	.0				6.3	11.1
SW	.3	1.1	2.0	1.5	.6	.2	.1	.0	.0			7.0	10.6
WSW	.4	1.1	2.2	1.6	.5	.3	.1	.0				6.2	10.7
W	.7	1.0	3.4	2.9	1.1	.4	.0					10.2	10.8
WNW	.3	1.0	2.7	2.9	1.0	.2	.0	.0				8.2	11.4
NW	.4	1.3	3.5	2.0	.9	.2	.0					8.9	10.6
NNW	.2	1.0	2.1	1.9	.3	.1						5.7	10.0
VARBL													
CALM												5.2	
	6.7	16.8	34.0	26.2	7.6	2.3	.4	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 23845

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14606 STATION NAME CHARLOTTE AND ILLINOIS/RAVENS 37-70 YEARS FEB NORTH  
CLASS ALL HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.3	1.3	.3	.1	.0	.0				5.4	9.3
NNE	.4	.9	1.4	1.2	.5	.1	.0					4.7	9.5
NE	.5	1.0	1.9	1.3	.2	.1	.0					5.0	9.3
ENE	.3	.8	1.4	.9	.3	.1						3.7	9.6
E	.3	1.1	2.0	1.1	.1	.1	.0					4.8	8.5
ESE	.4	.6	1.0	.6	.1							2.7	8.6
SE	.5	.7	1.7	1.2	.4	.1	.0	.0				4.8	10.1
SSE	.4	.9	2.0	1.7	.5	.1	.0	.0				5.6	10.3
S	.6	1.3	2.4	2.4	.8	.2	.0					7.6	10.5
SSW	.3	.6	1.7	1.9	.7	.1	.0					5.5	11.3
SW	.5	.9	2.1	1.7	.9	.2	.1	.0	.0			5.9	10.7
WSW	.3	.8	1.6	1.3	.3	.2	.1	.6				4.8	10.8
W	.5	1.6	2.8	2.1	.7	.3	.1	.0	.0			8.2	10.7
WNW	.4	1.2	3.2	3.6	1.1	.3	.0					9.9	11.5
NW	.4	1.3	2.7	3.3	1.1	.4	.1					10.3	11.2
NNW	.3	.9	2.3	1.9	.4	.1	.0	.0				6.7	10.1
VARBL													
CALM												5.2	
	6.8	15.8	33.8	27.6	7.8	2.3	.5	.1	.0			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 21705

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14800 STATION NAME CHANDLER AFB ILLINOIS/RAVENSLEIGH YEARS 37-70 MONTH MAY  
CLASS ALL WEATHER HOUR (L.S.T.) ALL  
CONDITION

SPEED (KNOTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	2.3	1.6	.4	.1	.0					6.3	9.4
NNF	.4	1.0	2.1	1.4	.3	.1						5.7	9.7
NE	.0	1.0	2.3	1.8	.6	.1	.0					6.4	10.1
ENE	.3	.6	1.6	1.6	.5	.1						4.8	10.4
E	.4	.8	1.6	1.5	.4	.1	.0					4.7	10.5
ESE	.2	.6	1.4	.8	.2	.0						3.5	9.5
SE	.4	.8	1.6	1.2	.5	.1	.0	.0				4.7	10.3
SSE	.4	.9	2.0	1.4	.5	.2	.1					4.4	10.5
S	.5	1.1	2.4	2.4	1.1	.4	.0	.0				8.2	11.5
SSW	.3	.7	1.6	1.7	.9	.3	.1					5.5	12.1
SW	.4	.8	2.0	1.6	.7	.3	.1	.0				6.7	11.4
WSW	.2	.8	1.7	1.9	1.0	.4	.1					4.3	12.6
W	.5	1.1	2.7	2.6	.3	.4	.1	.0				6.3	11.4
WNW	.3	1.0	2.6	2.6	.9	.3	.0					7.7	11.6
NW	.5	1.1	2.5	2.1	.7	.3	.0					7.2	10.6
NNW	.4	1.0	2.3	1.6	.4	.1	.0					5.7	9.9
VARBL													
CALM												4.3	
	6.3	15.0	32.6	27.7	10.1	3.4	.6	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 23973

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 CHAMUTE AFB ILLINOIS/KANTOHL 37-70 APR MONTH  
STATION NAME CLASS ALL HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	2.2	1.6	.4	.1	.0					3.6	10.3
NNE	.3	.7	2.2	1.8	.4	.1						5.5	10.4
NE	.5	.8	2.2	1.8	.8	.2	.0	.0				6.3	11.0
ENE	.2	.8	1.4	1.4	.4	.1	.0					4.3	10.6
E	.5	1.0	2.1	1.4	.4	.1	.0					5.5	9.7
ESE	.3	.7	1.6	1.1	.3	.0						3.9	9.7
SE	.3	1.0	2.3	1.7	.5	.2	.0					6.0	10.4
SSE	.3	.9	2.0	1.9	.7	.2	.0	.0				5.9	10.9
S	.4	.9	2.8	3.0	1.2	.5	.1	.0				9.0	12.3
SSW	.2	.7	1.8	2.4	1.1	.6	.1	.0				6.9	13.1
SW	.3	.8	1.8	1.6	.8	.5	.1	.0				9.9	12.3
WSW	.2	.8	1.3	1.6	.7	.4	.1	.0				5.1	12.6
W	.4	1.0	2.2	2.0	.9	.5	.1	.0				7.1	11.9
WNW	.2	.7	2.0	2.5	1.1	.3	.0	.0				6.9	12.7
NW	.3	.9	2.2	2.1	.8	.2	.0					6.5	11.0
NNW	.2	.6	2.0	2.0	.5	.1						5.4	10.8
VARBL													
CALM												4.1	
	5.0	12.9	32.4	29.9	10.9	3.9	.7	.1				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 23038

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 CHANUTE AFB ILLINOIS/HAMTILL STATION NAME 37-70 YEARS DAY MONTH ALL CLASS ALL HOURS (LST) CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	2.5	1.7	.4	.0	.0					6.3	9.6
NNE	.4	.8	2.6	1.7	.4	.0	.0	.0				6.0	9.7
NE	.7	1.1	2.2	1.2	.2	.0						5.4	8.6
ENE	.4	.8	1.6	1.2	.2	.0						4.3	9.1
E	.6	1.1	1.8	1.0	.2	.0						4.7	8.3
ESE	.5	.7	1.7	1.0	.1	.0						4.0	8.7
SE	.6	1.1	2.1	1.0	.3	.0	.0	.0				5.2	8.9
SSE	.6	1.1	2.2	1.5	.4	.1	.0					5.0	9.6
S	.7	1.7	2.4	2.5	.9	.3	.1	.0				9.6	10.5
SSW	.4	1.0	2.7	2.7	1.2	.4	.1	.0				8.5	11.9
SW	.5	1.0	2.5	2.0	.8	.3	.1					7.2	10.9
WSW	.4	.8	2.0	1.7	.6	.2	.0	.0				5.7	11.1
W	.5	1.0	2.2	1.5	.4	.2		.0				5.8	9.9
WNW	.4	1.0	2.2	1.6	.4	.1	.0					5.7	9.9
NW	.4	.8	2.3	1.3	.3	.0						5.2	9.3
NNW	.3	.8	2.2	1.4	.2	.0	.0					5.0	9.6
VARBL													
CALM												5.7	
	8.1	15.9	36.1	25.1	7.0	1.8	.4	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 23622

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHAIN IS APO ILLINOIS/RANTJUL 37-70 YEARS  
ALL WEATHER CLASS  
CONDITION  
JUN MONTH  
ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	2.0	.8	.1	.0	.0					4.7	7.9
NNE	.3	1.3	2.3	1.1	.1	.0						5.3	8.1
NE	.9	1.5	2.6	.9	.1	.0	.0	.0				6.1	7.7
ENE	.5	.9	1.7	.6	.1	.0						3.7	7.4
E	.9	1.2	1.6	.5	.0	.0						4.3	6.8
ESE	.5	.8	1.3	.4	.0							3.1	7.0
SE	.8	1.1	2.2	.5	.1	.0	.0	.0				4.8	7.5
SSE	.7	1.4	2.6	1.0	.1	.0						6.1	7.9
S	1.1	2.3	3.9	2.0	.4	.1	.0					9.8	8.5
SSW	.7	1.5	3.5	2.7	.7	.1	.0					9.2	10.1
SW	.8	1.5	3.5	2.5	.7	.2	.0					9.1	10.0
WSW	.5	1.1	2.5	1.7	.5	.1	.0	.0				6.5	10.0
W	.7	1.5	2.3	1.5	.2	.1	.0					6.3	8.8
WNW	.4	.8	2.0	1.1	.2	.0	.0					4.5	9.1
NW	.5	1.0	1.9	.7	.1	.0						4.3	8.2
NNW	.3	.8	1.6	.8	.1	.0	.0	.0				3.6	8.7
VARBL													
CALM												8.6	
	10.2	20.2	37.7	18.6	3.6	.7	.1	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 22891

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHARLOTTE AFB ILLINOIS/RANTHOL 70-70 YEARS JUL MONTH  
ALL WEATHER CLASS ALL HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	2.5	.8	.1	.0						5.3	7.5
NNE	.8	1.7	2.5	.6	.0							5.7	7.2
NE	1.2	2.1	2.6	.6	.0	.0						6.5	6.7
ENE	.9	1.4	1.6	.2	.0							4.1	6.2
E	1.2	1.6	1.2	.2	.0							4.7	5.5
ESE	.8	1.1	1.2	.1	.0							3.2	5.4
SE	1.2	1.4	1.5	.2	.0							4.3	5.8
SSE	.9	1.5	1.8	.3	.0							4.5	6.4
S	1.5	2.4	3.6	.8	.1	.0						8.4	7.1
SSW	.7	1.6	3.5	1.4	.1	.0	.0					7.5	8.2
SW	1.1	2.0	3.7	1.5	.2	.0	.0					8.7	8.2
WSW	.7	1.3	2.3	1.2	.1	.0						5.7	8.1
W	1.0	1.6	2.4	.9	.1	.0		.0				5.0	7.5
WNW	.6	1.0	1.8	.7	.0	.0						4.1	7.7
NW	.7	1.5	2.1	.7	.1	.0						5.1	7.4
NNW	.5	.9	1.9	.7	.0	.0						4.0	7.8
VARBL													
CALM												12.1	
	14.9	24.6	36.3	10.8	1.0	.1	.0	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 24040

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14806 STATION NAME GRANITE AFB ILLINOIS/RANTHUL YEARS 36-70 MONTH AUG  
CLASS ALL WEATHER MONTH ALL  
CONDITION \_\_\_\_\_ HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	2.4	.5	.0	.0	.0					5.1	6.9
NNE	1.2	1.9	2.3	.7	.0	.0	.0					6.2	6.9
NE	1.5	2.0	2.7	.7	.0							6.1	6.7
ENE	.9	1.2	1.6	.4	.0							4.4	6.6
E	1.0	1.6	1.4	.2	.0							4.7	5.4
ESE	1.0	1.1	1.2	.2								3.5	5.4
SE	1.3	1.7	1.8	.4	.0	.0						5.3	6.1
SSE	.9	1.3	1.8	.4	.1							4.5	6.8
S	1.6	2.5	3.0	1.0	.1	.0						8.3	7.0
SSW	1.0	1.8	3.0	1.2	.1	.0						7.2	7.8
SW	1.3	1.8	3.3	1.5	.2	.0						8.1	7.9
WSW	.7	1.2	2.2	.8	.1	.0						4.8	7.8
W	.8	1.5	2.1	.7	.0	.0						5.0	7.2
WNW	.4	1.0	1.5	.5	.0	.0						3.3	7.5
NW	.6	1.3	1.7	.4	.0							4.0	7.0
NNW	.3	1.0	1.4	.4	.0	.0						3.5	7.2
VARBL													
CALM												14.4	
	16.5	24.5	33.5	10.1	.9	.1	.0					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 24057



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

1480c  
STATION

CHARLETT AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

JEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	2.0	.9	.1	.0						5.2	7.6
NNE	.9	1.7	2.3	1.0	.0							5.8	7.5
NE	1.4	1.9	2.6	1.0	.2	.0						7.1	7.3
ENE	.7	1.4	1.4	.6	.1							4.1	7.0
E	1.3	1.7	1.4	.3	.0							4.7	5.7
ESE	.8	1.2	1.0	.2	.0							3.3	5.8
SE	1.5	2.0	2.3	.3	.0	.0						6.2	6.2
SSE	1.0	1.7	2.2	.6	.1	.0	.0					5.9	7.3
S	1.2	2.4	3.9	2.4	.5	.1	.0					10.5	8.8
SSW	.0	1.2	2.7	1.7	.3	.0	.0					6.5	9.1
SW	1.0	1.5	2.7	1.5	.3	.1	.0					7.1	8.6
WSW	.6	1.0	1.4	.8	.1	.0						4.0	8.1
W	.8	1.5	1.8	.7	.1	.0	.0	.0				5.0	7.6
WNW	.4	1.2	1.7	.8	.1	.0						4.2	8.0
NW	.0	1.4	2.3	1.0	.1	.0		.0				5.3	7.9
NNW	.3	1.1	1.8	.9	.0	.0						4.2	8.3
VARBL													
CALM												10.9	
	13.8	24.4	32.6	14.9	2.0	.4	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

23523

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

GRANDT AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

CT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.1	.5	.1	.0	.0	.0				5.1	7.9
NNE	.5	1.3	1.8	.7	.1	.0						4.4	7.6
NE	.9	1.4	1.8	.6	.1	.0						4.5	7.1
ENE	.0	.9	1.0	.3	.0	.0						2.9	6.6
E	1.0	1.2	1.3	.4	.0	.0						3.9	6.1
ESE	.7	.9	1.0	.3	.0	.0						3.0	6.5
SE	1.2	1.8	2.1	.6	.1	.0		.0				5.4	6.4
SSE	.9	1.6	2.3	1.0	.2	.0						5.1	7.0
S	.9	2.2	4.1	2.2	.7	.3	.0	.0				10.5	9.5
SSW	.0	1.1	2.8	2.4	.5	.1						7.5	9.9
SW	1.0	1.4	3.1	1.8	.4	.1	.0	.0				7.8	9.1
WSW	.5	1.1	1.6	1.0	.2	.0						4.5	8.7
W	.7	1.7	2.4	1.5	.3	.0	.0					6.9	8.6
WNW	.6	1.3	2.0	1.3	.3	.0						5.5	8.9
NW	.8	1.5	2.9	1.5	.3	.0						7.1	8.6
NNW	.4	1.0	1.8	1.0	.2	.0						4.5	8.6
VARBL													
CALM												9.7	
	12.4	21.8	34.2	17.6	3.4	.8	.1	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 24375

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CRANFORD AFB ILLINOIS/HANDFUL  
STATION NAME

30-70  
YEARS

11°V  
NORTH

ALL WEATHER  
CLASS

ALL  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.2	1.7	.7	.1	.0	.0	.0				4.4	8.2
NNE	.4	.8	1.3	.3	.1	.0						2.8	7.6
NE	.4	.6	1.2	.3	.1	.1	.0					3.0	8.5
ENE	.4	.7	.8	.3	.1	.0						2.2	7.5
E	.0	.8	.7	.3	.0							2.4	6.3
ESE	.2	.0	.7	.2	.0							2.1	6.7
SE	.0	1.1	1.9	1.0	.3	.1	.0					4.9	8.8
SSE	.7	1.4	2.3	1.6	.3	.2	.0	.0				6.5	9.6
S	.7	1.8	2.8	3.4	1.1	.5	.1	.0				11.4	11.0
SSW	.5	1.2	2.4	2.1	.7	.2	.1	.0	.0			7.2	10.8
SW	.8	1.4	2.5	1.9	.6	.2	.1		.0			7.5	9.9
WSW	.5	1.3	2.2	1.7	.6	.2	.0	.0				6.6	10.2
W	.2	2.0	3.9	2.6	1.0	.3	.0	.0				10.8	10.1
WNW	.6	1.4	3.0	2.7	.7	.1	.0					8.6	10.2
NW	.7	1.5	3.3	2.4	.6	.1	.0					8.5	9.7
NNW	.4	.9	2.0	1.2	.2	.1	.0					4.8	9.5
VARBL													
CALM												6.5	
	9.2	18.7	33.6	22.8	6.4	2.2	.5	.1	.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

23577

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 CHARLOTTE AFB ILLINOIS/RAITJOL 36-70  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
FC  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	1.8	1.2	.2	.0	.0					4.8	8.9
NNE	.3	.7	1.0	.7	.1	.0						2.7	8.6
NE	.4	.8	1.1	.7	.2	.0						3.2	8.7
ENE	.4	.6	.9	.5	.1	.0						2.5	8.2
E	.5	.9	1.3	.6	.0							3.3	7.6
ESE	.3	.7	1.1	.5	.1	.0						2.7	8.3
SE	.7	1.1	2.3	1.1	.2	.1	.0					5.6	8.5
SSE	.5	1.3	2.5	1.7	.4	.1	.0		.0			6.5	9.7
S	.7	1.8	3.4	3.1	.8	.3	.0					10.2	10.2
SSW	.5	1.1	2.5	2.6	.6	.1	.0					7.4	10.5
SW	.6	1.5	2.9	1.8	.5	.1	.0	.0				7.3	9.4
WSW	.5	1.2	2.3	1.6	.4	.2	.0	.0				6.3	10.2
W	.7	1.9	3.6	2.3	.6	.3	.0	.0				9.3	9.8
WNW	.4	1.4	3.5	3.0	.7	.1	.0					9.1	10.3
NW	.6	1.4	3.8	2.4	.4	.1	.0					8.6	9.6
NNW	.4	.9	2.0	1.3	.4	.1						5.0	9.7
VARBL													
CALM												5.5	
	7.9	18.1	36.1	25.0	5.7	1.5	.2	.0	.0			100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 74365

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806 STATION CHANUTE AFB ILLINOIS/RAILTON STATION NAME 37-04 YEARS 1944 MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	2.1	1.2	.2	.1	.0					6.7	9.6
NNE	.3	1.0	1.2	1.1	.2							3.5	8.8
NE	.4	1.1	2.6	.8	.2	.2						5.1	8.8
ENE	.3	.6	1.4	.4	.1	.0						2.9	8.5
E	.4	.9	1.2	.6	.2	.1						3.1	8.7
ESE	.2	.4	1.0	.2		.0						1.8	7.8
SE	1.2	1.5	2.0	.9	.2	.0						5.8	7.7
SSE	.9	1.0	1.4	.8	.2	.1						4.7	8.6
S	.9	1.7	2.6	1.8	.7	.1	.0					7.8	9.5
SSW	.2	1.2	2.4	1.9	.7	.0	.1					6.5	10.5
SW	.6	1.3	3.0	1.7	.6	.3	.2					7.6	10.5
WSW	.3	1.1	2.2	1.2	.6	.1						5.4	10.1
W	.5	1.7	3.4	1.8	.9	.6						8.9	10.5
WNW	.4	1.4	3.0	2.0	.9	.2						8.3	10.6
NW	.6	1.6	4.5	2.1	.9	.3	.0					10.0	10.1
NNW	.4	.8	1.6	1.7	.4	.1						4.7	10.3
VARBL													
CALM												7.5	
	7.6	18.5	35.8	21.1	6.9	2.2	.4					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 148006 CHANDLER AFB ILLINOIS/KANTOHL 77-03 JAN NORTH  
 CLASS ALL WEATHERS  
 CONDITION

0300-0500  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.0	1.5	.2	.1						5.4	9.3
NNE	.4	.8	1.7	1.0	.1							3.7	8.6
NE	.5	1.0	1.8	1.1	.5	.0						4.9	9.3
ENE	.5	.6	.9	.5	.1	.0						2.7	8.2
E	.6	.9	1.4	.8	.2							3.9	8.4
ESE	.4	.9	1.0	.2		.1						2.6	7.2
SE	.6	1.2	2.5	.5	.1	.0	.0					5.3	8.1
SSE	.6	1.0	1.8	1.0	.3	.0						4.8	9.0
S	1.0	1.0	3.5	1.2	.4	.2	.1					7.5	9.3
SSW	.4	.0	2.7	1.4	.4	.1	.1					5.5	10.3
SW	.6	1.2	3.1	1.6	.4	.1	.1					7.1	9.8
WSW	.5	1.5	.9	1.4	.4	.1	.0					5.7	7.6
W	.0	2.0	3.6	2.6	.7	.3						9.8	10.0
WNW	.5	1.1	2.5	2.4	1.0	.2	.1	.0				7.5	11.4
NW	.4	1.8	4.3	2.4	.6	.4	.0					9.8	10.3
NNW	.5	.8	2.6	1.8	.4	.1						6.0	10.3
VARBL													
CALM												7.7	
	8.4	17.5	37.3	21.4	5.7	1.9	.5	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 STATION NAME CHALWIE AFB ILLINOIS/RAV. T. 01 YEARS 37-70 MONTH JAN  
 CLASS ALL WEATHER NO. OF OBS. 0800-0800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	2.4	1.5	.2	.0						5.9	8.9
NNE	.3	.8	1.7	.9	.2	.1						4.0	9.6
NE	.5	1.0	1.7	.7	.2	.1						4.1	8.6
ENE	.3	.9	1.1	.4	.2	.1						2.6	9.0
E	.5	.9	1.2	.7	.0							3.4	7.9
ESE	.0	.8	1.2	.5								3.1	7.5
SE	.5	1.0	2.1	1.3	.3							5.2	9.0
SSE	.4	1.4	2.5	1.6	.4	.1						6.3	9.5
S	1.0	1.5	3.1	2.1	.2	.2	.1					8.7	9.7
SSW	.0	1.6	2.0	1.7	.3	.1						5.8	9.3
SW	.0	1.1	2.3	1.9	.5	.2	.0					6.7	10.0
WSW	.6	1.4	2.2	1.2	.7	.1	.1					6.3	9.7
W	.8	1.3	3.7	2.8	.7	.2	.0					9.6	10.2
WNW	.3	1.2	2.4	2.7	.9	.2						7.6	11.2
NW	.4	1.6	3.6	2.2	.8	.1	.0					8.8	10.0
NNW	.2	1.2	2.5	2.1	.3	.0						6.3	9.8
VARBL													
CALM												5.4	
	8.2	18.7	32.7	24.3	6.1	1.5	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 3038

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14800 NAME CHAMBERLAIN ILLINOIS/RANTON YEAR 37-70 MONTH JAN  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.1	1.7	.3	.0						5.7	9.5
NNE	.2	.7	1.6	1.0	.2	.2						3.9	10.2
NE	.3	.9	1.2	1.0	.1	.2	.0					3.7	9.8
ENE	.1	.6	1.3	1.0	.2							3.1	9.7
E	.3	.8	1.3	.8	.2							3.3	8.5
ESE	.1	.4	1.4	.8	.2							2.8	9.7
SE	.3	.8	1.7	1.5	.3	.2						4.0	10.5
SSE	.2	.6	2.8	2.1	.4	.1						6.3	10.6
S	.4	1.3	3.1	3.6	1.4	.4	.0					10.2	11.7
SSW	.2	.5	2.6	3.1	.6	.2	.0	.0				7.3	11.8
SW	.3	.9	2.0	2.6	.7	.3	.1					6.9	11.6
WSW	.2	.4	2.2	2.3	.6	.5	.1	.0				7.0	12.2
W	.6	1.0	2.8	3.7	1.1	.4						9.7	11.6
WNW	.4	.9	2.3	3.7	1.2	.3	.0					8.8	12.2
NW	.2	1.1	2.4	2.9	1.0	.1	.1					7.8	11.4
NNW	.3	.9	2.3	1.9	.3							5.4	10.0
VARBL													
CALM												3.0	
	4.8	13.3	39.0	33.6	8.2	2.9	.4	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 3160



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14406 CHAMPE AFB ILLINOIS/RANTOUL YEARS 77-70 MONTH JAN  
CLASS ALL WEATHER HOURS (LCT) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	2.1	1.3	.3							4.2	2.8
NNE	.2	.6	1.1	1.2	.3	.1						3.6	10.3
NE	.3	.5	1.3	1.1	.3	.1						3.6	10.4
ENE	.3	.6	1.4	.5	.1	.0						2.6	8.7
E	.2	.9	1.4	.9	.1							3.4	8.9
ESE	.1	.7	1.1	.5	.2							2.5	9.1
SE	.3	.7	1.7	1.1	.3	.1						4.2	10.1
SSE	.2	.8	2.2	1.6	.6	.2	.0					5.6	10.9
S	.2	.8	3.0	4.1	1.5	.3	.1					12.0	12.3
SSW	.4	.7	2.5	3.0	1.1	.3	.1	.1				8.1	12.4
SW	.2	.9	2.7	2.6	1.0	.3	.0					7.7	11.8
WSW	.2	1.2	2.1	3.0	.7	.5	.1	.1				8.0	12.1
W	.4	1.0	3.3	4.0	1.9	.5	.0					11.1	12.3
WNW	.1	.9	2.7	3.8	1.4	.6	.1					9.4	12.5
NW	.3	.8	2.5	2.8	1.0	.3	.1					7.7	11.7
NNW	.1	.8	1.8	2.2	.3							5.5	10.6
VARBL													
CALM													
	3.9	12.4	32.7	34.0	11.4	3.1	.5	.1				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 3152

DATA PROCESSING DIVISION  
 FTAG/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

14666 STATION CHANDLER AFB ILLINOIS/KAUTH 37-70 YEARS JAN MONTH 1500-1700 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDUCTED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	1.5	.3							5.3	9.2
NNE	.2	.7	1.2	1.1	.1	.1	.1					3.5	10.3
NE	.7	.9	1.4	.5	.5	.0						4.3	9.2
ENE	.3	.7	1.1	.7	.1							2.9	8.7
E	.2	.9	1.2	.6	.1							3.1	8.4
ESE	.3	.6	1.0	.5	.0	.1						2.7	8.6
SE	.3	1.0	2.4	1.1	.1	.1						4.9	9.1
SSE	.3	1.3	1.3	1.4	.3	.1	.0					5.3	9.6
S	.3	1.7	3.7	2.6	.7	.5	.1					9.9	10.8
SSW	.2	1.0	2.4	2.1	.8	.2						6.7	11.0
SW	.3	.9	2.5	1.8	.5	.2	.1	.1	.0			6.3	11.1
WSW	.4	1.1	2.7	2.1	.3	.4	.1	.0				7.1	11.1
W	.6	1.4	3.4	3.2	1.4	.5						10.5	11.3
WNW	.3	1.0	2.9	2.1	.9	.2						8.3	11.1
NW	.3	1.3	3.7	3.0	.7	.3						9.6	10.6
NNW	.2	1.2	2.4	2.1	.4	.0						6.2	9.9
VARBL													
CALM												3.1	
	5.9	16.7	35.7	28.0	7.5	2.6	.3	.1	.0			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 3156

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHARLOTTE AFB ILLINOIS/HANTIDUL 37-70 YEARS JAN MONTH  
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	2.0	1.2	.2	.0						4.9	8.8
NNE	.5	1.4	1.9	.8	.4	.1						5.1	9.0
NE	.6	1.0	1.2	.9	.3	.1						4.2	8.0
ENE	.3	.9	1.2	.5	.3							3.2	8.6
E	.5	.9	.9	.7	.1							3.1	7.7
ESE	.3	.4	1.0	.5	.1	.0						2.3	8.6
SE	.5	1.3	2.4	1.2	.4	.1						6.0	9.0
SSE	.6	1.6	1.7	1.3	.4	.0						5.6	8.9
S	.9	2.3	2.9	2.8	.5	.3	.1					9.8	9.8
SSW	.3	1.2	1.6	1.3	.5	.3	.1					5.2	10.6
SW	.5	1.1	2.5	1.1	.3	.1	.1	.1				5.7	9.9
WSW	.9	1.1	2.2	.9	.4	.2						5.4	9.4
W	1.0	2.0	3.8	2.7	1.1	.3	.1					10.9	10.2
WNW	.3	1.0	2.7	2.2	.7	.1						7.0	10.7
NW	.4	1.5	3.7	2.8	.8	.0						9.2	10.1
NNW	.3	1.2	2.1	1.7	.3	.1						5.6	9.7
VARBL													
CALM												6.7	
	8.4	19.7	33.9	22.5	6.8	1.6	.3	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 3159

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806 STATION CHANUIT AFB ILLINOIS/RANTOUL 37-70 YEARS JAN NORTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.0	1.0	.4							5.0	8.9
NNE	.4	1.2	1.3	.8	.3							4.1	8.6
NE	.5	1.0	1.6	.6	.4	.1						4.2	8.7
ENE	.5	.8	1.0	.7	.1	.0						3.1	8.4
E	.3	.0	1.2	.6	.1	.1						3.2	8.2
ESE	.2	.9	.9	.4	.1							2.3	7.8
SE	1.0	1.5	1.9	1.6	.3	.1						6.4	8.6
SSE	.6	1.1	1.7	.9	.5							4.9	9.0
S	1.0	1.7	2.6	2.6	.8	.3						9.0	9.9
SSW	.2	.6	1.9	1.6	.4	.4	.0					5.2	11.7
SW	.8	1.3	3.0	1.7	.6	.3	.1	.0				7.8	10.1
WSW	.4	.9	2.1	.9	.2	.2	.0					4.7	9.3
W	.9	2.1	3.6	2.3	1.0	.5	.1					10.5	10.1
WNW	.4	.8	3.4	2.5	1.0	.1						8.3	10.9
NW	.5	1.1	3.7	2.4	.9	.1						8.6	10.4
NNW	.3	1.2	1.8	2.0	.3	.1						5.7	9.9
VARBL													
CALM												7.1	
	2.8	18.1	33.5	22.6	7.4	2.2	.3	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 3161

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
 STATION

CHANUTE AFB ILLINOIS/RAI 70UL  
 STATION NAME

37-64  
 YEARS

FFB  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.9	.6	.3	.1						5.2	8.4
NNE	.5	1.0	2.4	1.1	.3	.0						5.2	8.8
NE	.4	1.6	2.1	1.2	.1	.0						5.4	8.5
ENE	.2	1.0	1.3	.8	.2	.0						3.6	9.0
E	.7	1.1	1.7	1.0	.0	.1	.0					4.8	8.2
ESE	.5	.7	1.1	.6								2.9	7.6
SE	.7	1.2	1.9	1.2	.3	.1						5.4	9.0
SSE	.4	.7	2.3	1.9	.2							5.6	9.9
S	.5	1.2	2.1	1.6	.7	.2						6.3	10.4
SSW	.3	.5	1.6	1.3	.6		.1					4.4	11.2
SW	.8	.8	1.7	1.6	.7	.1	.2					5.8	10.5
WSW	.3	.9	1.4	.7	.3	.1	.1					3.8	9.9
W	.5	1.9	2.8	1.2	.5	.1	.1					7.1	9.1
WNW	.4	1.7	4.0	3.1	.8	.3						10.3	10.5
NW	.3	1.5	4.4	3.0	.8	.3						10.3	10.7
NNW	.2	.9	2.3	2.5	.2	.3	.0					6.5	11.1
VARBL													
CALM												7.2	
	7.3	18.1	35.0	22.7	6.2	1.2	.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2315

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHARLIE AFB ILLINOIS/RANTOUL  
STATION NAME

37-03  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.9	.8	.3							4.9	8.4
NNE	.2	1.0	1.5	1.0	.3	.1						4.4	9.6
NE	.3	1.1	2.5	1.4	.2	.1						5.9	9.3
ENE	.3	.8	1.7	.6	.2							3.6	8.7
E	.4	1.0	1.7	1.1	.3	.0						4.0	9.3
ESE	.5	.7	.9	.3	.2							2.6	8.0
SE	.7	1.0	2.0	1.0	.3	.1	.0	.0				5.1	9.2
SSE	.6	.7	1.6	1.7	.3	.0						4.9	9.9
S	.7	1.4	2.6	1.8	.4	.3						7.1	9.8
SSW	.2	.3	1.4	1.4	.4	.0						4.0	11.1
SW	.9	.8	2.0	1.9	.5	.0	.0					6.2	10.0
WSW	.3	.9	1.5	1.3	.3	.1	.0					4.6	10.0
W	.4	1.9	2.5	1.4	.5	.3	.0	.0				7.1	10.1
WNW	.3	1.6	3.2	2.8	.7	.1						8.9	10.3
NW	.6	1.7	3.7	3.1	1.2	.3	.1					10.8	10.6
NNW	.3	1.5	2.6	2.4	.4	.0						7.2	9.9
VARBL													
CALM												8.1	
	7.4	18.2	33.7	24.0	6.6	1.6	.3	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

2286

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
 STATION

CHARLESTON ILLINOIS/RANTOUL  
 STATION NAME

37-70  
 YEARS

FEB  
 MONTH

ALL WEATHER  
 CLASS

0600-0800  
 HOURS (LST)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	2.5	1.2	.3	.1						6.3	8.6
NNE	.5	.7	2.1	1.1	.3	.1						4.2	9.3
NE	.3	.9	1.9	1.1	.3	.0	.0					4.5	9.4
ENE	.3	.8	1.6	.8	.4							3.8	9.1
E	.4	1.2	2.2	1.3	.3	.1						5.6	9.2
ESE	.4	.6	.7	.5	.1							2.6	8.6
SE	.5	1.0	2.0	.9	.3	.0		.0				4.7	9.0
SSE	.9	1.4	2.4	1.7	.3	.0	.0	.0				6.7	9.1
S	.5	1.0	2.0	2.1	.7	.1	.0					6.4	10.4
SSW	.2	.6	2.4	2.5	.4	.1						6.2	11.0
SW	.5	.8	2.5	1.4	.4	.1	.1					5.6	10.4
WSW	.3	.8	1.6	.9	.2	.2	.0					4.1	10.0
W	.7	1.5	2.7	1.8	.3	.3	.1					7.6	9.8
WNW	.5	1.0	3.4	3.3	.7	.2						9.1	10.8
NW	.3	1.3	3.3	3.1	.9	.3	.1					9.4	11.0
NNW	.3	.9	2.6	2.1	.2	.0						6.4	9.6
VARBL													
CALM												6.4	
	7.7	15.9	35.8	26.0	5.9	1.8	.4	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2765

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTUL  
STATION NAME

37-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.3	1.6	.2	.1						3.6	9.7
NNE	.2	.7	1.7	1.4	.3	.1						4.4	10.1
NE	.3	.6	2.0	1.4	.2	.1						4.8	10.1
ENE	.2	.7	1.4	1.3	.3	.0						3.9	10.3
E	.2	.9	2.3	1.4	.3	.1	.0					5.3	10.0
ESE	.2	.5	1.0	1.2	.1							3.1	9.8
SE	.4	.5	1.8	1.4	.3	.1	.0					4.6	10.6
SSE	.3	.6	2.1	2.0	.8	.2						6.0	11.2
S	.4	1.1	2.4	2.8	1.3	.2						8.3	11.6
SSW	.4	.5	2.4	2.5	1.2	.3	.1					7.3	12.3
SW	.2	.5	1.6	2.5	.8	.2	.1	.1	.0			6.1	12.8
WSW	.3	1.0	2.0	1.8	.4	.6	.1					6.1	11.8
W	.3	1.2	2.3	2.4	.8	.2	.1					7.4	11.5
WNW	.2	.9	2.6	3.9	1.9	.4	.1					9.8	12.8
NW	.3	.8	3.4	3.0	1.5	.4						9.3	12.1
NNW	.4	.8	2.1	2.0	.4	.1						5.8	10.2
VARBL													
CALM												2.3	
	4.8	12.4	33.3	32.5	11.0	3.1	.5	.1	.0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2879



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14800  
STATION

(HARVEY AFB ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.0	1.8	.3	.1	.0	.0				5.3	10.3
NNE	.2	.4	1.3	1.6	.3	.1	.1					3.9	11.2
NE	.5	.5	1.3	1.9	.2							4.1	9.9
ENE	.1	.0	1.2	1.1	.4	.0						3.4	10.7
E	.2	.9	2.1	1.1	.2	.1	.0					4.6	9.4
ESE	.1	.3	.8	.8	.3							2.3	10.4
SE	.3	.6	1.1	2.2	.3							4.5	10.9
SSE	.2	.5	1.4	1.5	1.1	.1						4.5	12.7
S	.2	.8	2.6	3.6	.9	.3	.0					8.7	12.1
SSW	.2	.7	1.4	2.7	1.2	.4						6.6	12.9
SW	.2	.7	2.5	2.3	1.1	.5	.1	.0				7.6	12.2
WSW	.3	.9	1.9	1.9	.9	.6	.1	.1				6.7	12.6
W	.2	.9	2.6	3.4	1.1	.6	.1	.0				8.9	12.9
WNW	.3	.5	2.7	4.7	1.0	.4	.1					10.3	13.1
NW	.2	.9	3.3	4.1	1.2	.4						10.2	12.0
NNW	.2	.7	2.2	2.0	.6	.2						5.8	11.1
VARBL													
CALM												2.1	
	3.9	11.1	30.5	36.1	11.9	3.6	.7	.2				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

2880

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 14806 CHANUTE AFB ILLINOIS/RAHQUOL 37-70 YEARS 1 FEB MONTH 1500-1700 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	2.4	1.7	.4		.0	.1				3.5	10.5
NNE	.4	.4	1.5	1.2	.2	.1	.0					2.9	10.4
NE	.3	.7	1.7	1.7	.2	.1						4.5	10.4
ENE	.3	.8	1.4	.8	.4	.1						3.8	9.7
E	.2	1.0	2.0	1.0	.0	.0						4.6	8.5
ESE	.2	.5	.9	.5	.1							2.2	8.7
SE	.2	.8	1.5	.8	.7	.1						4.1	10.4
SSE	.2	.7	2.2	2.0	.5	.1						5.7	11.0
S	.7	1.4	2.6	3.0	.8	.1						8.5	10.2
SSW	.2	.6	1.7	1.7	.8	.1						5.1	11.2
SW	.3	1.2	2.8	1.7	.5	.2						6.6	10.2
WSW	.3	.7	1.7	1.5	.3	.2	.2					4.8	11.4
W	.0	1.1	3.1	2.9	1.3	.5	.2	.1	.0			9.7	12.3
WNW	.4	.9	2.8	4.8	1.6	.4	.0					10.9	12.4
NW	.4	1.2	4.1	2.5	1.0	.3	.1					10.7	11.3
NNW	.2	.9	3.0	1.6	.4	.2						6.2	10.4
VARBL													
CALM												3.0	
	5.8	13.2	35.2	30.3	9.1	2.6	.6	.1	.0			100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 2800

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14800  
 STATION

CHANDLER AFB ILLINOIS/RAINTON  
 STATION NAME

37-70  
 YEARS

FFB  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.7	1.2	.3	.1	.0	.0				6.2	9.3
NNE	.8	1.2	1.7	1.0	.3	.2	.0					5.3	8.9
NE	.3	1.5	1.8	1.2	.0	.1	.1					5.3	8.8
ENE	.2	.8	1.3	.9	.2	.2						7.6	9.9
E	.7	1.1	2.0	1.0	.0							4.8	7.7
ESE	.5	.6	1.1	.3								2.4	7.2
SE	.5	.7	1.7	1.1	.5	.2	.0					4.6	10.7
SSE	.3	1.4	1.6	1.5	.2	.1	.0					5.1	9.7
S	.7	2.0	2.1	2.2	.5	.0						7.5	9.1
SSW	.7	.9	1.6	1.6	.1							4.9	8.9
SW	.0	1.0	1.7	.9	.2	.1						4.5	9.0
WSW	.6	.9	1.7	.9	.1	.0	.1					4.3	8.8
W	.7	2.1	3.2	1.8	.8	.2	.2	.1				8.9	10.1
WNW	.3	1.5	3.7	3.0	.8	.2						9.3	10.6
NW	.4	1.8	3.7	3.3	.8	.4	.2					10.5	10.8
NNW	.5	1.1	2.2	1.2	.3	.0		.0				5.3	9.3
VARBL													
CALM												7.0	
	8.3	19.9	33.7	23.3	5.3	1.8	.6	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

2860

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/NAF

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14306  
STATION

CHANDLER AFB ILLINOIS/RAHJLL  
STATION NAME

37-70  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	2.6	1.2	.3	.0	.0					9.7	9.2
NNE	.7	1.4	2.1	1.3	.3							5.8	8.4
NE	1.1	1.3	1.9	.9	.1	.2						5.4	7.9
ENE	.3	1.0	1.1	1.1	.2	.0						3.8	9.5
E	.6	1.3	1.6	.9								4.4	7.7
ESE	.5	.7	1.5	.6	.6							3.3	8.0
SE	.5	.4	1.5	1.3	.3	.0						4.1	10.3
SSE	.6	1.1	2.2	1.3	.3	.0	.1					5.6	9.6
S	.7	1.3	2.6	1.9	.6	.1						7.5	9.9
SSW	.5	.7	1.2	1.7	.3	.1						4.6	10.4
SW	.6	1.2	1.4	1.0	.3	.2	.0					9.1	9.1
WSW	.2	.8	1.1	1.0	.1	.1	.0					3.4	9.7
W	.7	2.2	3.2	1.5	.5	.2	.1	.0				8.4	9.1
WNW	.3	1.7	3.3	3.4	.7	.3	.0					9.9	10.6
NW	.6	1.5	4.2	3.1	1.1	.5	.0					11.0	10.9
NNW	.5	.9	1.9	1.5	.2	.1	.0					9.1	9.8
VARBL													
CALM												6.9	
	9.2	10.5	33.6	23.7	5.8	1.8	.4	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

2076

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
 STATION

CHARLOTTE AFB ILLINOIS/RANTJUL  
 STATION NAME

37-64  
 YEARS

MAR  
 MONTH

ALL WEATHER  
 CLASS

0000-0200  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.5	2.6	1.1	.4							6.4	8.7
NNE	.3	1.2	2.3	1.7	.4	.0						5.5	9.8
NE	.9	1.2	2.8	1.4	.7	.0						7.0	9.4
ENE	.5	1.1	2.0	1.1	.4	.1						5.1	9.3
E	.6	.0	1.8	1.3	.5	.2						5.0	10.5
ESE	.6	1.0	1.4	.5	.0							3.4	7.4
SE	.6	1.1	1.8	1.3	.5	.0						5.2	9.3
SSE	.5	1.2	1.6	.5	.2	.0						4.0	8.1
S	.8	.9	2.2	2.2	.7	.1	.0					6.9	10.4
SSW	.1	.0	2.2	1.5	.6	.0						5.0	10.8
SW	.3	1.0	2.0	1.4	.8	.1	.0	.0				5.5	10.5
WSW	.2	1.1	1.9	.7	.8	.3	.2					5.2	11.4
W	.7	1.7	2.7	1.9	.3	.2	.0					7.5	9.4
WNW	.3	1.9	3.1	1.9	.8	.1						8.3	9.8
NW	.6	1.3	2.6	1.7	.9	.4						7.3	10.5
NNW	.5	.8	1.8	.9	.3	.1						4.3	9.0
VARBL													
CALM												7.4	
	8.1	10.2	34.7	21.3	8.0	1.8	.3	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2531

DATA PROCESSING DIVISION  
STAC/USAF  
AIR WEATHER SERVICE/VAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RAHTLUL  
STATION NAME

37-03  
YEARS

NAK  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	2.4	1.2	.4	.0						6.3	8.9
NNE	.2	1.5	2.2	1.4	.5							5.8	9.5
NE	.7	1.4	2.2	1.2	.8	.1						6.3	9.7
ENE	.3	.8	1.6	1.6	.5	.0						4.7	10.5
E	.4	1.1	1.7	1.5	.3	.2						5.1	9.7
ESE	.4	.8	1.6	.6	.0							3.5	8.0
SE	.5	1.1	1.5	1.2	.3	.1						4.8	9.1
SSE	.5	1.2	2.7	.8	.2	.0	.0					5.6	8.5
S	.5	1.0	2.2	1.7	.6	.1	.0					5.2	10.3
SSW	.3	.7	2.0	1.6	.2	.0						4.9	9.8
SW	.8	1.0	1.9	1.2	.2	.2						5.2	9.0
WSW	.2	.8	1.4	1.3	.8	.3	.2					4.9	12.5
W	.8	1.4	3.4	1.9	.7	.3		.0				8.5	9.9
WNW	.3	1.9	2.9	1.8	.6	.1						7.7	9.6
NW	.5	2.1	2.7	1.8	.4	.2						7.8	9.2
NNW	.3	.9	2.4	1.0	.3	.1						5.0	9.4
VARBL													
CALM												8.7	
	7.3	19.2	34.6	21.8	6.8	1.8	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

2509

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14805  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

129  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.8	1.4	.5	.1						6.5	9.7
NNE	.4	.9	2.5	1.2	.4							5.4	9.4
NE	.2	1.0	2.1	1.5	.7	.3						6.2	10.4
ENE	.4	.7	1.4	1.7	.5	.1						4.9	10.4
E	.4	1.0	1.6	1.6	.4	.0						5.1	10.0
ESE	.3	.5	1.9	.9	.3	.0						3.8	9.5
SE	.6	1.0	2.0	1.6	.4	.2	.0					5.9	10.2
SSE	.6	1.0	2.0	1.4	.3	.1	.0					5.3	9.6
S	.7	1.2	2.0	2.4	.7	.2	.1					7.2	10.6
SSW	.3	.6	2.2	1.3	.6	.1	.0					5.1	10.7
SW	.4	.7	1.7	1.6	.6	.2	.0					5.3	11.1
WSW	.3	.8	1.5	1.8	.9	.3	.1					5.8	12.2
W	.2	1.2	2.7	2.4	.8	.4	.0	.0				8.1	11.1
WNW	.3	.9	2.6	2.4	.6	.1	.1					7.0	10.8
NW	.5	1.4	2.7	2.0	.7	.2	.0					7.6	10.2
NNW	.4	1.2	2.3	1.4	.2	.0						5.5	9.1
VARBL													
CALM												9.7	
	6.9	13.6	34.2	26.8	6.8	2.4	.5	.5				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

3026

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14846 STATION CHANGI AIR ILLUMIS/RAUTUJL 37-70 YEARS MONTH  
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.4	2.1	2.0	.9	.1						5.2	10.2
NNE	.4	.6	1.9	1.4	.3	.1						4.7	9.8
NE	.4	1.0	1.8	2.4	.9	.1						6.6	10.8
ENE	.2	.4	1.5	2.0	.6	.1						4.7	11.7
E	.3	.4	1.9	2.2	.4							5.3	10.6
ESE	.1	.5	1.2	1.2	.3							3.4	10.5
SE	.3	.4	1.2	1.5	.6	.2	.0	.0				4.2	12.3
SSE	.2	.7	2.0	2.2	.8	.3	.1					6.2	12.3
S	.3	.8	2.4	3.7	1.7	.5	.0					9.4	13.0
SSW	.2	.5	1.0	2.3	1.4	.7	.1					6.2	14.3
SW	.2	.6	1.4	2.4	1.2	.7	.2	.0				6.7	14.0
WSW	.2	.4	1.7	2.4	1.5	.6	.2	.0				7.0	14.1
W	.2	.5	2.6	3.0	1.1	.6	.2	.0				8.2	13.1
WNW	.2	.6	2.1	3.2	.9	.4	.1					7.5	12.7
NW	.3	.7	2.3	2.2	.6	.4	.0					6.6	11.7
NNW	.2	.9	2.4	2.0	.5	.0	.0					6.1	10.6
VARBL													
CALM												1.3	
	3.8	9.9	29.8	36.0	13.3	4.8	.9	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 3161



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHAROTE AFB ILLINOIS/RANTUL  
STATION NAME

37-70  
YEARS

AR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.9	2.0	.3	.2						5.5	10.9
NNE	.1	.7	1.5	1.7	.4	.2						4.7	11.0
NE	.3	.3	1.7	1.7	.4	.2						4.6	11.3
ENE	.2	.7	1.7	1.6	.7	.1						4.9	11.2
E	.3	.5	1.5	1.6	.5	.1						4.7	11.1
ESE	.1	.4	1.4	1.0	.2	.1						3.1	10.6
SE	.1	.5	1.3	1.0	.5	.2						3.6	11.4
SSE	.1	.3	1.6	1.3	1.0	.6	.1					5.7	13.7
S	.3	.3	2.3	2.8	1.8	.8	.1	.1				8.5	14.1
SSW	.2	.4	1.2	2.4	2.0	1.1	.1					7.4	15.3
SW	.2	.3	1.6	2.2	1.7	.6	.3	.1				6.9	14.9
WSW	.2	.7	2.0	3.0	1.7	.9	.3					8.8	14.2
W	.3	1.1	2.2	3.4	1.5	.5	.3					9.3	12.9
WNW	.2	.4	1.8	3.5	1.4	.7	.0					8.0	13.9
NW	.2	.5	2.5	2.7	.7	.4	.0					7.1	12.2
NNW	.2	.8	2.2	2.3	.5	.2	.0					6.2	10.9
VARBL													
CALM												.9	
	3.1	8.8	28.6	35.1	12.3	6.6	1.3	.2				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 3158

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14800 STATION CHANUTE AFB ILLINOIS/RANTHUL 37-70 YEARS MAR MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	2.4	2.0	.8	.2						6.8	10.7
NNE	.3	.5	1.6	1.4	.2	.2						4.3	10.5
NE	.5	.8	1.9	1.6	.4	.1	.0					5.5	10.4
ENE	.1	.7	1.6	1.7	.5	.1						4.7	11.0
E	.3	.5	1.4	1.3	.8							4.2	11.2
ESE	.2	.7	1.1	.8	.3	.1						3.2	9.9
SE	.1	.6	1.6	.8	.4	.2	.0					3.8	11.1
SSE	.2	.5	1.9	2.0	.9	.2	.1					5.8	12.3
S	.2	.7	2.6	2.2	1.5	1.0	.1	.1				8.5	13.5
SSW	.4	.3	1.3	2.2	1.2	.3	.1					5.9	13.1
SW	.2	.5	2.1	1.9	1.0	.2	.1					6.1	12.1
WSW	.2	.4	1.5	3.3	1.4	.7	.1					7.9	13.8
W	.0	.6	2.8	3.2	1.5	.7	.2	.1				9.6	12.9
WNW	.1	.4	2.3	3.8	1.5	.3	.1					8.3	13.2
NW	.3	1.0	2.2	3.4	.8	.3						8.0	11.6
NNW	.3	.5	2.6	2.1	.5	.1	.1					6.1	10.9
VARBL													
CALM												1.3	
	4.3	10.0	31.4	33.9	13.7	4.6	.8	.2				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 3161

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14806 STATION NAME CHARLIE AFB ILLINOIS/BANTON YEARS 37-70 MONTH MAR  
CLASS ALL WEATHER HOURS (LST) 1400-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	2.1	1.2	.3	.1						6.9	8.1
NNE	.0	1.1	2.3	1.3	.2	.1						5.7	8.9
NE	.0	1.0	2.8	1.9	.6	.1						7.2	9.8
ENE	.4	.9	1.4	1.4	.3	.1						4.6	9.8
E	.0	.7	1.6	1.2	.3	.1	.0					4.9	9.5
ESE	.2	.8	1.2	.9	.2	.1						3.1	9.0
SE	.4	.8	1.7	1.0	.8	.0						4.7	10.2
SSF	.0	1.1	2.2	1.1	.2	.1	.0					5.5	9.0
S	.7	2.3	2.6	1.8	.6							7.9	8.8
SSW	.3	1.1	1.7	1.2	.6	.1						5.1	9.8
SW	.4	1.2	2.7	.7	.3	.1						5.3	8.5
WSW	.4	.8	1.4	1.4	.6	.1	.0					4.7	10.6
W	.0	1.4	2.6	2.7	.5	.3	.1					8.1	10.6
WNW	.3	1.2	2.9	2.2	.3	.5	.0					7.6	11.0
NW	.8	1.1	3.0	1.4	.5	.1						7.0	9.1
NNW	.4	1.6	3.0	1.3	.3	.1	.0					6.7	8.9
VARBL													
CALM												5.0	
	8.7	12.7	35.3	22.2	6.7	1.9	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 3160

DATA PROCESSING DIVISION  
ETAG/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHARLE AFB ILLINOIS/KANT JOL  
STATION NAME

37-70  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	1.6	1.3	.3	.2	.0					6.6	8.3
NNE	.4	1.6	2.2	1.2	.4	.1						6.3	8.9
NE	.3	1.5	2.9	2.0	.7	.1						7.9	9.5
ENE	.6	1.1	1.7	1.3	.3	.1						5.2	9.3
E	.5	1.0	1.0	1.2	.4	.2						4.8	9.5
ESE	.4	.4	1.2	.7	.2							3.0	9.0
SE	.6	1.1	1.7	1.3	.5	.2						5.4	9.3
SSE	.7	1.1	2.0	.9	.4							5.1	8.6
S	.8	1.6	3.0	2.0	.7	.3		.0				8.4	10.0
SSW	.2	1.0	1.5	1.2	.4		.0					4.3	9.8
SW	.4	1.4	2.2	.9	.2	.1	.0					5.2	8.7
WSW	.3	1.4	1.9	1.2	.3	.3	.1					5.5	9.7
W	.5	1.3	2.4	2.0	.4	.3						6.9	10.1
WNW	.6	1.2	3.1	1.7	.6	.4						7.4	10.6
NW	.8	.9	2.2	1.6	.7	.1	.0					6.4	10.0
NNW	.7	1.1	1.7	1.3	.4	.0						5.2	9.0
VARBL													
CALM												6.8	
	9.6	20.1	32.9	22.0	6.8	2.2	.2	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

3150

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RANTHUL  
STATION NAME

37-63  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.9	1.6	.4	.2						6.5	9.7
NNE	.2	.7	2.9	1.4	.2							4.5	9.4
NE	.7	.7	2.9	1.5	.7	.1						6.7	9.2
ENE	.3	1.1	1.2	1.1	.4	.2						4.3	9.3
E	.0	1.2	2.3	1.0	.4	.0	.0					5.5	8.9
ESE	.2	.7	1.5	.8	.1							3.5	9.6
SE	.4	1.8	3.0	1.4	.0	.1						6.7	8.5
SSE	.7	1.3	1.9	1.0	.2	.0		.0				5.1	8.6
S	.7	1.4	3.2	2.3	.6	.2	.1					8.5	10.3
SSW	.2	.9	2.0	1.7	.7	.2		.0				5.7	11.4
SW	.5	.9	2.6	1.1	.5		.1					5.6	9.5
WSW	.4	1.2	1.5	.7	.4	.3	.0					4.5	10.1
W	.7	1.4	3.2	1.4	.5	.2	.0					7.4	9.5
WNW	.2	.9	2.4	1.6	.5	.1						5.7	10.2
NW	.7	1.2	2.7	1.5	.3	.0						6.5	9.9
NNW	.2	.4	1.9	1.5	.2							4.3	9.8
VARBL													
CALM												7.7	
	7.2	17.0	38.3	21.5	6.0	1.7	.3	.1				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

2418

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14306  
STATION

CHAMITE AFB ILLINOIS/KANTILL  
STATION NAME

37-25  
YEARS

APR  
MONTH

ALL FATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.7	2.6	1.2	.4	.1						3.7	9.5
NNE	.4	.8	2.2	1.4	.2							5.0	9.2
NE	.5	1.3	2.4	1.7	.5	.2		.0				6.6	10.0
ENE	.4	1.0	1.5	1.3	.3	.1	.0					4.7	10.1
E	.5	1.4	1.7	1.1	.3							4.9	8.8
ESE	.5	1.0	1.3	.7	.1	.0						3.7	8.0
SE	.7	2.0	3.1	1.0	.4	.1	.0					7.3	8.4
SSE	.4	1.2	2.1	.9	.2	.1						5.0	8.8
S	.6	1.3	3.3	1.7	.7	.0	.0					7.4	9.8
SSW	.2	.8	1.8	1.8	.4	.1	.2					5.3	11.1
SW	.5	1.4	2.5	1.2	.2	.2	.1					6.0	9.1
WSW	.3	1.2	1.1	1.2	.3	.2						4.7	9.9
W	.3	1.9	2.8	1.6	.6	.1						7.3	9.5
WNW	.3	1.2	2.9	1.7	.6	.0						6.8	9.7
NW	.6	1.7	2.6	1.7	.6	.0						7.2	9.4
NNW	.2	.8	2.5	1.7	.3	.0						5.5	10.3
FAVOR													
CALM												7.2	
	7.3	19.0	36.3	21.8	6.1	1.3	.4	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

2423

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAL

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14800 STATION CHANDLER AFB ILLINOIS/RANTAPUL STATION NAME 77-70 YEARS APR MONTH 0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.0	2.1	1.6	.4	.1						5.4	10.2
NNE	.2	.6	2.0	2.0	.5	.1						5.4	10.8
NE	.3	.6	2.0	1.7	.6	.2						5.5	11.1
ENE	.2	.7	1.7	1.4	.3	.1						4.4	10.6
E	.5	1.2	2.4	2.0	.5	.0	.0					6.7	10.1
ESE	.3	.7	1.5	1.2	.4	.1						4.1	10.0
SE	.6	.3	2.5	2.0	.6	.1	.0					6.7	10.4
SSE	.5	.6	2.5	2.6	.5	.1						6.9	10.4
S	.5	.8	3.2	3.2	.6	.3	.2					8.7	11.4
SSW	.3	.7	1.9	2.8	.7	.2	.0					6.7	11.9
SW	.4	.6	1.8	2.1	.4	.4	.2					6.0	12.0
WSW	.2	.6	1.0	1.7	.4	.1	.0	.0				4.0	12.1
W	.5	.3	1.8	1.9	.8	.4						6.1	11.4
WNW	.2	.9	2.5	2.9	1.2	.0	.0					7.9	11.5
NW	.2	.8	2.1	1.9	.7	.1	.0					5.9	11.2
NNW	.2	.9	2.4	2.2	.6	.1						6.4	11.1
VARBL													
CALM												3.1	
	5.2	12.3	33.6	33.1	9.4	2.5	.6	.0				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 2944

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14800  
STATION

CORPUS AFB ILLINOIS/KANTOUL  
STATION NAME

37-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.6	1.6	.6	.1	.0					4.7	11.4
NNE	.2	.4	2.0	2.1	.6	.1						5.4	11.5
NE	.4	.4	1.4	1.3	1.0	.2	.0					5.6	12.0
ENE	.2	.4	1.2	1.3	.6	.1						4.7	11.8
E	.2	.5	1.7	2.3	.4	.1						5.2	11.4
ESE	.2	.5	1.5	1.2	.6	.1						4.4	11.2
SE	.2	.2	1.6	2.2	.8	.4						5.2	12.9
SSE	.2	.6	1.6	2.7	1.4	.3	.0					6.8	12.9
S	.2	.5	1.9	3.5	1.8	.4	.2					8.5	13.7
SSW	.2	.2	1.8	3.0	2.1	1.3						8.7	15.1
SW	.1	.3	1.2	2.9	1.1	.6	.3	.1				6.9	15.4
WSW	.1	.3	1.2	2.3	1.3	.6	.2					5.9	14.7
W	.2	.7	1.3	2.1	1.5	.9	.1	.1				6.9	14.5
WNW	.2	.4	1.5	3.1	1.7	.5						7.3	13.8
NW	.2	.7	2.0	2.6	1.1	.3						6.8	12.1
NNW	.2	.4	2.3	3.0	.8	.1						6.7	11.9
VARBL													
CALM												.9	
	3.0	7.2	26.1	38.1	17.5	6.1	.8	.2				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS

3060



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14805

CHARLOTTE ILLINOIS/RANTJUL

37-70

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	1.0	1.9	.5	.3						4.3	11.2
NNE	.2	.7	1.7	1.9	.5	.1						5.1	11.1
NE	.1	.6	1.8	1.0	1.1	.2	.0	.0				5.5	12.4
ENE	.1	.5	1.0	1.7	.0	.1						4.1	11.9
E	.4	.7	2.0	1.5	.5	.1						5.1	10.4
ESE	.1	.2	1.1	1.5	.4							3.3	11.8
SE	.1	.5	1.6	1.8	.9	.2	.0					5.1	12.6
SSE	.1	.2	1.4	2.4	.9	.2	.0	.0				5.5	13.4
S	.1	.3	1.7	3.0	2.4	1.0	.2					8.8	15.5
SSW	.1	.3	1.0	3.3	1.8	1.9	.1					9.7	15.7
SW	.2	.3	1.3	2.1	1.7	1.3	.2					7.1	15.7
WSW	.2	.4	1.4	2.5	1.4	.8	.5	.0				7.2	15.0
W	.3	.5	1.8	2.7	1.5	1.0	.3					8.1	14.5
WNW	.1	.5	1.4	3.3	1.5	.8	.1					7.5	14.5
NW	.1	.7	1.6	2.0	1.4	.2	.1					6.9	13.0
NNW	.1	.4	1.6	2.7	.7	.2						5.6	12.3
VARBL													
CALM												.7	
	2.7	7.4	24.8	36.6	17.9	8.3	1.6	.1				100.0	13.5

TOTAL NUMBER OF OBSERVATIONS

3053

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14807 STATION CHANIE AFM ILLINOIS/ROTTORL 31-70 APR MONTH  
1500-1700 HOURS (L.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	1.9	2.0	.7	.2						5.7	11.2
NNE	.2	.7	1.9	2.3	.4	.2						3.6	11.3
NE	.2	.3	2.2	1.7	.9	.2	.1					3.7	12.2
ENE	.1	.7	1.3	1.4	.5	.1						4.1	11.3
E	.2	.7	1.0	1.3	.5	.0						4.4	10.5
ESE	.2	.7	1.5	1.5	.2	.1						4.1	10.6
SE	.2	.3	1.4	2.0	.7	.3	.1					4.8	12.9
SSE	.1	.4	1.4	2.1	1.0	.3	.0					3.4	12.2
S	.2	.5	2.0	1.3	2.0	1.0	.3	.1				10.4	14.5
SSW	.1	.4	1.0	3.1	1.4	.6	.1					7.2	4.0
SW	.1	.4	1.5	2.0	1.3	.6	.1					5.9	4.0
WSW	.1	.4	1.5	2.3	1.2	.6	.1	.1				6.5	14.3
W	.2	.3	2.4	2.7	1.5	.8	.6					7.9	13.7
WNW	.2	.3	1.3	3.4	2.0	.5	.1	.0				7.9	14.4
NW	.2	.7	1.9	2.7	.9	.3						6.7	12.4
NNW	.2	.5	2.2	2.5	.5	.0						6.0	11.0
VARBL													
CALM												1.4	
	2.0	8.1	23.2	37.2	15.6	9.8	.2	.2				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 3055

DATA PROCESSING UNIT  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14890 STATION NAME GRANDI AFB ILLINOIS/RANDOLPH YEARS 77-70 MONTH APR  
CLASS ALL WEATHER MONTH 1800-2000  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.0	2.4	1.6	.2	.1						5.2	9.4
NNE	.4	.8	2.6	1.8	.4	.1						6.1	10.1
NE	.7	1.4	2.4	1.7	.9	.4	.0					7.6	10.6
ENE	.3	.7	1.8	1.0	.4	.1						4.3	9.8
E	.5	1.2	2.7	1.0	.3	.1						5.9	8.7
ESE	.2	.7	2.1	.3	.0	.0						3.5	8.5
SE	.3	1.3	2.9	1.4	.3							6.3	9.1
SSE	.3	1.3	2.2	1.2	.4	.1						5.6	9.5
S	.4	1.3	3.8	3.3	.8	.3	.1					10.6	10.5
SSW	.2	.9	2.2	2.1	.5	.2						6.1	10.9
SW	.4	.8	2.4	.8	.4	.3	.1					5.7	10.1
WSW	.3	1.2	1.0	1.0	.3	.2						4.6	9.8
W	.3	1.1	2.1	1.6	.8	.3	.1					6.3	11.0
WNW	.4	.7	2.5	2.3	.6	.1						6.5	10.6
NW	.4	.7	2.7	2.0	.6	.1						6.3	10.7
NNW	.4	1.1	2.2	1.2	.3							5.3	8.9
VARBL													
CALM												5.3	
	5.9	16.4	38.0	24.7	7.0	2.5	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 3035

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14800  
STATION

CHANDLER AFB ILLINOIS/KANTOUL  
STATION NAME

27-70  
RL

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	2.2	1.4	.3		.0					5.9	9.5
NNE	.4	.9	2.6	1.7	.4	.0						6.0	9.6
NE	.7	1.3	2.3	2.5	.4	.2	.1	.0				7.5	10.2
ENE	.2	1.3	1.7	1.1	.1	.1						4.7	9.3
E	.8	1.3	2.5	1.3	.4	.1						6.3	8.8
ESE	.5	1.0	1.9	.8		.1						4.3	8.0
SE	.4	1.4	2.9	1.3	.4	.0	.0					6.5	9.7
SSE	.4	1.6	2.7	1.3	.6	.1						6.7	9.4
S	.6	1.3	3.4	2.9	.7	.2	.1	.0				9.1	10.6
SSW	.4	1.0	1.8	1.5	.6	.3	.0					5.6	10.8
SW	.6	1.4	1.6	.8	.3	.2						4.8	8.8
WSW	.4	1.1	1.4	.8	.5	.2						4.3	10.7
W	.4	1.4	2.6	1.7	.3	.1	.0					6.4	9.7
WNW	.4	.7	2.1	1.5	.5	.1						5.2	10.3
NW	.5	.9	2.3	1.5	.3	.1						5.5	9.4
NNW	.3	.5	1.4	1.2	.2	.1						3.6	10.1
VARBL													
CALM												7.8	
	7.3	17.8	36.6	22.9	6.0	2.0	.3	.1				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

3025

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 STATION NAME CHANDLER AFB ILLINOIS/RANDOLPH YEARS 37-62 MONTH MAY  
CLASS ALL WEATHER HOURS (LST) 0000-0700

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	3.7	1.1	.4	.6						6.8	9.3
NNE	.6	1.0	3.2	.7	.1	.1						5.6	7.9
NE	1.2	1.7	2.5	.9	.1	.1						6.4	7.0
ENE	.9	1.2	1.8	.7								4.6	7.1
E	1.0	1.7	1.5	.7	.2							5.1	7.3
ESE	.9	1.2	1.6	.4		.0						3.6	6.5
SE	1.0	1.2	2.6	.5								5.8	7.0
SSE	.9	1.6	2.3	1.0	.3	.1						6.1	8.1
S	1.4	2.1	4.6	1.4	.5	.1						9.3	8.4
SSW	.6	1.0	2.8	1.7	.2	.0						6.4	9.2
SW	.8	1.1	3.3	1.1	.2							7.1	8.1
WSW	.6	.8	1.7	.9	.2	.1	.0					4.3	9.3
W	.8	.9	2.4	.5	.3	.1						5.1	8.5
WNW	.7	.9	2.2	.3	.1							4.3	7.4
NW	.6	1.0	2.4	.8	.1							4.9	9.1
NNW	.3	.5	1.8	.8	.1							3.7	8.7
VARBL													
CALM												10.6	
	12.4	19.8	35.7	13.1	2.6	.6	.0					160.0	7.2

TOTAL NUMBER OF OBSERVATIONS 2409

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14809 STATION CHANUTE AFB ILLINOIS/RAH101 37-05 YEARS DAY MONTH 0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 54	≥ 55	%	MEAN WIND SPEED
N	.2	1.2	2.2	1.7	.2							3.7	8.7
NNE	.5	1.2	1.9	1.0	.1	.0	.0					2.7	8.4
NE	1.2	1.6	1.6	1.1	.1							3.7	7.3
ENE	.8	1.0	1.6	1.2	.1							5.3	7.7
E	1.2	1.9	1.3	.6	.1							5.1	6.5
ESE	.7	.9	1.2	.5	.1	.0						3.3	7.5
SE	1.3	1.8	2.4	.8	.2	.0	.0					6.6	7.4
SSE	.9	1.9	1.8	1.0	.1							5.7	7.5
S	1.0	2.4	2.7	1.3	.4	.1						5.0	8.5
SSW	.3	1.2	3.3	1.6	.5							6.7	9.6
SW	.8	1.4	2.7	.9	.4	.0						6.3	8.4
WSW	.5	.8	1.8	.6	.1	.0						3.8	8.3
W	1.0	1.0	1.7	.7	.1	.1						6.0	8.1
WNW	.5	1.0	2.2	.5	.2							4.3	8.7
NW	.7	.8	2.9	.8	.1							5.3	8.2
NNW	.2	.8	3.6	1.0	.0							5.0	7.7
VARBL													
CALM												12.5	
	12.3	21.5	33.1	19.4	2.7	.4	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806 STATION CHAMBERS AFB ILLINOIS/RAU-TM-1 37-70 YEARS MAY MONTH  
0000-0800 HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	2.2	1.8	.4							6.0	9.6
NNE	.2	.9	2.1	1.8	.2	.1		.0				5.4	9.4
NE	.6	1.0	2.2	1.0	.1							4.9	8.3
ENE	.3	.7	1.8	1.0	.2							4.6	9.8
E	.3	1.1	2.3	1.0	.1							3.0	8.4
ESE	.4	.9	2.2	1.4	.2							5.1	8.8
SE	.3	1.0	2.5	1.4	.3	.1						5.9	9.8
SSE	.7	.9	2.6	1.5	.4	.1	.1					6.3	9.4
S	.7	2.2	2.8	2.8	.5	.2						9.1	9.8
SSW	.5	1.0	3.0	3.2	1.0	.2						8.9	11.1
SW	.2	.7	3.0	2.5	.9	.2	.1					7.6	11.5
WSW	.3	.9	2.1	1.9	.6	.2						5.9	10.9
W	.2	1.0	2.4	1.2	.4	.2						5.8	9.7
WNW	.4	1.3	2.1	1.6	.2	.0						5.7	9.0
NW	.4	.6	1.8	1.2	.3							4.3	9.3
NNW	.2	.8	2.0	1.5	.2							4.6	9.8
VARBL													
CALM												4.4	
	7.1	16.3	37.1	27.2	6.2	1.2	.2	.0				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 3129

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAG

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHARLOTTE AFB ILLINOIS/RAGTLLJL  
STATION NAME

37-70  
YEAR

DAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	2.2	1.6	.7		.1					9.6	10.6
NNE	.3	.6	2.2	1.8	.3							1.2	9.9
NE	.3	.5	1.6	2.0	.2	.0						4.6	10.3
ENE	.4	.6	1.6	1.6	.2							4.3	9.9
E	.2	.4	1.9	1.5	.4							4.4	10.4
ESE	.3	.5	1.6	1.1	.2	.0						3.8	10.0
SE	.4	.9	1.6	1.4	.8		.1					5.2	10.7
SSE	.3	.9	1.9	2.0	.7	.3	.1					6.1	11.7
S	.4	1.0	2.7	2.7	1.1	.4	.1	.0				8.4	12.1
SSW	.2	.0	2.4	3.6	2.1	.6	.2					9.6	13.7
SW	.3	.3	2.3	3.2	1.8	.7	.1					8.9	13.4
WSW	.2	.3	2.2	3.6	1.4	.3	.0					8.1	13.0
W	.5	.3	2.4	2.3	.4	.3						6.7	10.7
WNW	.1	.6	1.8	2.3	.5	.1	.1					5.5	11.8
NW	.3	.8	2.4	2.1	.4	.0						6.0	10.4
NNW	.4	.9	1.9	1.8	.3	.0	.0					5.3	10.1
VARBL													
CALM												2.1	
	5.2	10.4	32.6	34.5	11.6	2.7	.8	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 3152



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14800 STATION CHANUTE AFB ILLINOIS/HANTOUL 37-70 YEAR MONTH 1200-1400  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	2.3	2.3	.4	.0						6.2	10.4
NNE	.5	.9	2.0	1.2	.5	.0						4.5	10.4
NE	.2	.9	1.8	1.5	.1							4.0	9.7
ENE	.2	.3	1.4	1.3	.3							3.4	11.3
E	.5	.3	1.6	1.4	.2	.1						4.1	9.8
ESE	.3	.6	1.6	1.1	.3							3.7	9.8
SE	.3	.6	1.3	1.3	.3	.0	.0					3.9	10.8
SSE	.1	.5	2.0	2.0	.4	.3	.1					5.5	11.8
S	.3	.9	2.5	3.3	1.9	.6	.3	.1				9.9	13.4
SSW	.4	.7	2.3	3.7	2.2	.9	.2					10.3	14.1
SW	.3	.5	1.8	2.8	1.5	.8	.1					7.7	13.7
WSW	.2	.3	2.4	2.9	1.1	.5	.2	.0				8.1	12.8
W	.4	.7	2.1	2.9	.6	.4						7.1	11.7
WNW	.3	.9	2.6	2.6	.9	.1						7.4	11.2
NW	.3	.6	2.0	1.8	.6	.1						5.5	11.0
NNW	.2	.8	2.1	2.1	.5							5.6	10.6
VARBL													
CALM												2.0	
	4.3	10.4	31.7	34.7	11.8	3.9	.9	.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 3156

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

37-70  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

1900-1700  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	2.0	2.4	.5	.0						6.0	10.8
NNE	.2	.4	2.2	2.4	.8	.1						6.0	11.6
NE	.3	.8	2.0	1.3	.4							4.8	9.9
ENE	.2	.4	1.2	.9	.4	.0						3.2	10.9
E	.4	.7	1.6	1.3	.1	.0						4.1	9.3
ESE	.3	.3	1.9	1.6	.3							4.4	10.2
SE	.3	.5	1.6	.8	.5	.0	.1	.0				3.8	10.4
SSE	.4	.5	2.0	1.8	.8	.2	.1					5.9	11.7
S	.4	1.2	2.3	3.2	1.6	.5	.2					9.3	12.9
SSW	.2	.6	2.3	3.7	1.9	.9	.2					9.9	13.9
SW	.2	.4	2.2	2.5	1.1	.4	.1					6.9	12.6
WSW	.3	.7	2.4	2.4	.7	.4						8.9	11.8
W	.4	.9	2.6	2.5	.5	.3		.0				7.2	11.0
WNW	.2	.6	2.5	2.9	1.0	.3						7.4	11.9
NW	.2	.6	2.3	2.2	.7	.1						6.2	11.2
NNW	.1	.8	2.8	2.3	.4	.1	.0					6.5	10.7
VARBL													
CALM												1.7	
	4.3	10.1	34.3	34.1	11.6	3.2	.6	.1				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 3142

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTHUL  
STATION NAME

27-10  
YEARS

MAY  
MONTH

all weather  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	1.0	1.2	2.0	1.6	.2	.1						6.7	8.7
NNE	.3	1.0	2.5	4.2	.6							7.7	10.2
NE	.7	1.2	3.1	1.2	.3	.0						4.3	8.7
ENE	.3	.9	1.9	1.0	.2							4.3	8.7
E	.5	1.2	2.4	.8	.0							4.5	7.8
ESE	.3	.7	1.8	.8								3.6	8.5
SE	.5	1.3	2.1	1.0	.1							5.0	8.1
SSE	.6	1.1	2.5	1.1	.2	.0						5.5	8.3
S	1.0	2.1	4.9	2.7	.5	.2	.1	.0				11.5	9.6
SSW	.3	1.4	2.2	2.2	1.0	.2	.1					8.1	10.7
SW	.6	1.4	2.5	1.3	.2	.0	.0					6.1	8.7
WSW	.3	1.0	1.7	.6	.2	.0	.0					3.9	8.7
W	.5	1.0	1.9	1.2	.4	.0						5.1	9.1
WNW	.6	1.3	2.5	1.3	.3	.0						6.0	8.8
NW	.4	1.1	2.7	1.0	.2							5.3	8.6
NNW	.5	1.0	2.3	.7	.2	.1						4.9	8.8
VAPBL													
CALM												4.9	
	8.2	19.1	41.2	20.7	4.4	.8	.2	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

3154

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHENOTE AFB ILLINOIS/RANTOUL

STATION NAME

37-70

YEARS

MAY

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	2.4	1.2	.4	.0						6.3	8.6
NNE	.6	1.0	2.7	1.7	.3							7.3	9.0
NE	1.0	1.3	2.9	1.1	.1	.0						6.4	7.9
ENE	.6	1.3	1.6	1.0	.1	.0						4.7	8.1
E	1.0	1.6	1.8	.7	.1							5.2	7.0
ESE	.7	.9	1.6	.5	.0							3.8	7.1
SE	.9	1.6	2.7	.9	.1	.1						6.2	7.6
SSE	.3	1.7	2.6	1.1	.0							6.3	7.7
S	.8	2.4	3.1	2.1	.3	.1						10.4	8.7
SSW	.9	1.4	2.3	1.2	.6	.1	.0	.0				6.6	9.2
SW	1.1	2.0	2.2	1.2	.1	.0						6.6	7.7
WSW	.5	1.1	1.8	.5	.1	.1	.0					4.1	8.4
W	.3	1.4	2.1	.6	.1	.0						4.6	8.1
WNW	.5	1.0	1.9	.6	.1							4.2	7.7
NW	.5	1.0	1.7	.5	.1							3.7	7.5
NNW	.6	1.0	1.4	.5	.2	.0	.1					3.7	8.2
VARBL													
CALM												9.5	
	11.7	21.9	37.8	15.5	2.7	.6	.1	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2940

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14606 STATION GRANITE AFB ILLINOIS/RANTHUL 37-62 YEARS JUN MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	1.9	.3	.0	.0						4.2	7.1
NNE	.7	1.8	2.0	.6								5.0	6.8
NE	1.7	1.8	2.7	.6	.1							6.8	6.9
ENE	.8	.7	1.6	.2								3.6	6.9
E	1.4	1.2	1.3	.2								4.1	5.5
ESE	.9	1.1	.9	.2								3.0	5.8
SE	.8	1.6	2.4	.3	.0							5.1	7.0
SSE	1.4	1.9	3.0	.6	.1							7.0	6.7
S	1.9	2.7	4.0	.6	.2							9.4	6.7
SSW	.8	1.5	3.5	1.5	.3							7.5	8.5
SW	1.5	2.7	3.4	1.0	.1							8.8	7.1
WSW	.6	1.3	2.2	.7	.1	.0						4.9	7.4
W	.9	1.2	1.8	.2	.0							4.7	6.3
WNW	.3	.9	2.4	.6	.0		.0					4.3	8.1
NW	.7	1.5	1.5	.3	.0							4.1	6.6
NNW	.3	1.0	1.2	.2								2.7	6.9
VARBL													
CALM												15.4	
	15.4	23.9	30.1	6.1	1.0	.1	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2336

DATA PROCESSING DIVISION  
 FYAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14806 STATION NAME CHAIR TE APR ILLINOIS/RANDOL YEARS 17-05 MONTH JUN  
 CLASS ALL WEATHER HOURS (L S T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	2.2	.3	.0							4.4	6.9
NNE	.0	1.7	2.4	.3	.1							5.3	6.9
NE	1.9	1.6	2.6	.6	.1							6.4	6.8
ENE	.6	1.0	1.4	.2	.1							3.3	6.8
E	.9	1.5	1.1	.2		.0						3.7	6.1
ESE	1.1	1.0	1.1	.2								3.4	5.6
SE	1.7	1.2	2.3	.3								5.5	6.0
SSE	1.2	2.3	2.1	.4	.1	.0						6.1	6.6
S	1.4	2.3	3.0	.6	.1	.0						7.7	6.8
SSW	.9	1.5	3.0	1.4	.2		.0					7.0	8.4
SW	.9	2.0	4.0	1.0	.3							8.3	7.8
WSW	.7	.9	1.5	.5	.1							4.0	7.2
W	1.4	1.9	1.9	.2	.1	.0						5.6	6.3
WNW	.7	.9	1.8	.4	.2							4.0	7.5
NW	.5	1.3	2.3	.4								4.5	7.2
NNW	.2	.8	1.6	.2	.0							2.8	7.7
VARBL													
CALM												17.9	
	15.4	23.4	34.7	7.1	1.4	.2	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2427

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/DAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14906 STATION CHAD TR AFB ILLINOIS/KANTREL STATION NAME 37-70 YEARS JUN MONTH 0600-0800 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	1.7	.5	.0	.1						4.1	7.5
NNE	.3	1.4	2.2	.4	.0							4.7	7.8
NE	.0	1.2	2.4	.9	.1							5.6	7.8
ENE	.4	.9	2.0	.0	.0							4.1	8.3
E	1.1	1.3	1.9	.7								4.9	6.7
ESE	.3	1.0	1.5	.6								3.8	7.0
SE	.3	1.2	2.5	.7	.1							4.9	7.9
SSE	.0	1.5	2.8	.9	.1							6.1	8.0
S	.9	2.4	4.0	2.3	.2	.0						9.9	8.5
SSW	.6	1.4	3.6	2.5	.8	.1						9.1	10.0
SW	.8	1.3	4.0	2.9	.6	.2						9.9	9.9
WSW	.4	1.2	2.9	1.5	.3							6.6	9.1
W	.7	2.2	2.6	1.6	.3							7.5	8.4
WNW	.3	1.0	1.8	.8	.1	.0						4.1	8.7
NW	.0	.8	1.6	.8	.1							3.9	8.1
NNW	.3	.9	1.5	.8	.0							3.4	8.3
VARBL													
CALM												7.4	
	10.2	21.0	37.1	19.2	2.8	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 3060

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTON

37-70

YEARS

JUN

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.0	.6	.2	.1						4.5	8.4
NNE	.5	1.1	1.9	1.0	.1							4.6	8.3
NE	.1	.8	2.5	1.0	.1							4.5	9.1
ENE	.4	.0	2.1	.8	.2							4.1	8.7
E	.9	1.3	1.4	1.0								4.7	7.4
ESE	.4	.8	1.6	.8	.1							3.6	8.4
SE	.6	.7	1.8	.7	.2	.1		.0				4.1	8.9
SSE	.2	.9	2.4	1.5	.2	.0						3.3	9.6
S	.5	1.1	3.2	2.6	.8	.1	.0					8.2	10.2
SSW	.5	1.4	3.8	3.8	.8	.1	.1					10.5	10.7
SW	.6	.9	3.4	3.9	1.4	.3	.0					10.5	11.8
WSW	.3	1.1	3.6	3.5	1.3	.4	.1	.0				10.2	11.8
W	.5	1.4	2.6	2.7	.2	.0						7.4	9.7
WNW	.3	.8	2.0	1.7	.4	.0						5.2	10.3
NW	.4	.9	1.7	1.1	.2							4.3	8.8
NNW	.4	.7	1.6	1.3	.4							4.5	9.6
VARBL													
CALM												3.9	
	6.9	15.7	37.7	28.0	6.4	1.1	.2	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

3096



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14800  
STATION

CHARLIE AFB ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.2	1.1	.2	.0						5.2	8.4
NNE	.4	.8	1.9	1.8	.0							5.0	9.3
NE	.5	.8	2.4	1.0	.1							4.9	8.3
ENE	.3	.8	1.6	.8	.0							3.6	8.4
E	.4	1.0	1.4	.8	.0							3.7	7.8
ESE	.2	.5	1.6	.6	.1							2.9	8.8
SE	.7	.5	1.8	.9	.2							4.0	8.5
SSE	.2	.9	2.3	1.5	.2	.1						5.3	10.0
S	.4	1.0	3.6	2.9	.8	.1						8.9	10.5
SSW	.5	.8	3.9	4.5	2.0	.4	.0					12.6	12.1
SW	.4	1.0	3.4	3.6	1.1	.4	.1					9.9	11.8
WSW	.3	1.3	2.8	3.0	1.1	.5						9.0	11.5
W	.5	.9	2.6	3.0	.8	.3	.0					8.1	11.3
WNW	.4	.8	1.7	2.0	.4							5.2	10.3
NW	.2	.5	1.7	1.2	.5	.0						4.1	10.6
NNW	.3	1.0	1.8	1.5	.2							4.7	9.5
VARBL													
CALM												3.6	
	6.3	13.8	36.7	30.1	7.7	1.8	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

3050

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAG

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

17-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	2.5	1.3	.2	.0	.0					5.7	9.0
NNE	.3	1.0	2.5	1.6	.2	.0						5.7	9.3
NE	.6	1.4	2.2	1.2	.2	.0		.0				5.6	8.8
ENE	.2	.6	1.7	.6	.1							3.2	8.7
E	.5	1.0	1.9	.8								4.2	7.7
ESE	.2	.5	1.2	.4	.0							2.3	8.3
SE	.6	.6	2.0	.9	.1		.0					4.2	8.7
SSE	.4	.9	2.3	1.4	.3							5.2	9.4
S	.5	1.3	3.9	3.1	.7	.2						9.7	10.4
SSW	.1	1.0	3.6	4.1	1.0	.3						10.2	11.6
SW	.3	.8	2.9	3.4	1.4	.5						9.3	12.4
WSW	.3	.9	3.0	2.9	.6	.2	.0					8.2	10.8
W	.4	.9	2.6	2.6	.4	.2						7.0	10.6
WNW	.3	.6	2.9	1.9	.3	.1						6.0	10.2
NW	.2	1.0	2.8	1.2	.2	.0						5.6	9.4
NNW	.3	.8	2.0	1.2	.3		.0					4.6	9.8
VARBL													
CALM												3.2	
	5.9	14.6	40.0	28.6	6.0	1.5	.1	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

3058

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

27-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	2.1	1.1	.1							5.1	8.2
NNE	.5	1.4	2.7	1.4	.1							6.1	8.4
NE	1.2	2.1	3.2	1.0	.1	.0						7.8	7.5
ENE	.5	.9	1.4	.7	.1	.1						3.6	8.1
E	1.1	1.2	2.1	.2								4.6	6.1
ESE	.7	.9	1.3	.1								2.9	6.2
SE	.8	1.4	2.8	.3	.0							5.3	6.9
SSE	.8	2.0	3.1	.6		.0						6.4	7.0
S	1.4	4.0	4.8	1.7	.1							12.1	7.5
SSW	.9	2.1	3.8	1.7	.4	.1						8.9	8.6
SW	.6	1.7	3.1	2.2	.2	.0						7.6	9.0
WSW	.5	.8	1.8	.7	.2		.0					4.1	8.5
W	.6	1.7	2.4	.7	.0							9.4	7.5
WNW	.4	.9	1.7	.7	.1							3.8	8.4
NW	.5	1.1	2.3	.4								4.7	7.3
NNW	.5	.9	1.8	.4	.1	.0	.0	.0				3.8	8.2
VARBL													
CALM												8.2	
	11.6	24.3	40.5	13.6	1.5	.3	.1	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

3055

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHAMPTI AFB ILLINOIS/KANTHOL  
STATION NAME

7-70  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.4	.7								4.0	6.9
NNE	.6	1.7	2.8	.7	.1							5.9	7.5
NE	1.2	2.5	3.1	.7	.2		.0					7.8	7.1
ENE	.9	1.4	1.9	.2	.0							4.4	6.4
E	.7	1.2	1.0	.4	.0							4.1	6.7
ESE	.9	1.1	1.0	.1								3.0	5.6
SE	1.3	1.5	2.1	.4	.1							5.3	6.4
SSE	1.2	2.9	2.7	.6	.1							7.5	6.6
S	2.0	3.8	4.9	1.0	.1	.1						11.8	6.9
SSW	1.4	1.9	2.8	1.3	.1							7.4	7.5
SW	1.1	2.0	3.4	1.1	.0							7.6	7.4
WSW	.7	1.3	1.7	.5	.0							4.3	6.9
W	.6	2.0	1.7	.1	.1	.0	.0					4.7	6.7
WNW	.4	.7	1.7	.2	.1							3.1	7.2
NW	.7	1.2	1.5	.3								3.7	6.6
NNW	.2	.6	1.0	.2								2.0	7.0
VARBL													
CALM												13.3	
	14.9	26.9	35.5	11.4	.9	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2849

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHARLOTTE AFB ILLINOIS/RANTOUL  
STATION NAME

37-62  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	1.9	.5	.0							4.8	7.7
NNE	1.0	2.3	2.2	.2								5.7	6.2
NE	2.3	3.1	2.5	.2								8.1	5.7
ENE	1.5	1.5	1.0		.0							4.1	4.8
E	1.5	1.7	.7	.0								4.1	4.6
ESE	.5	.9	.4	.0								1.8	4.8
SE	1.9	1.6	1.6									5.1	5.1
SSE	1.1	1.7	1.4	.1								4.2	5.7
S	1.9	2.4	3.3	.5	.2							8.2	6.5
SSW	1.3	1.7	2.4	.6	.0	.0						6.2	6.9
SW	1.4	2.9	2.9	1.0	.1							8.4	6.8
WSW	.9	.9	1.4	.3								3.5	6.5
W	1.2	1.3	1.4	.0	.0							4.0	5.5
WNW	.4	1.2	1.2	.1								2.8	6.1
NW	1.2	1.8	1.5	.1								4.6	5.7
NNW	.6	.6	1.7	.2								3.0	7.0
VARBL													
CALM												21.4	
	19.3	26.8	27.5	4.1	.4	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2418

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 STATION NAME CHANUTE AFB ILLINOIS/RANTULL YEARS 36-65 MONTH JUL  
CLASS ALL WEATHER HOURS (L & T) 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	2.2	.5	.1							6.0	6.5
NNE	1.6	1.6	2.7	.4								6.3	6.3
NE	2.1	2.3	2.4	.0								6.9	5.5
ENE	1.1	1.2	.5	.0								2.9	4.6
E	1.6	1.9	.5	.0								4.0	4.3
ESE	1.2	1.2	.5									2.9	4.3
SE	1.9	1.2	1.1	.1	.0							4.3	5.0
SSE	1.4	1.1	1.3	.0	.0							3.9	5.2
S	2.2	2.4	2.2	.2								7.0	5.4
SSW	1.1	1.5	2.9	.3								5.7	6.6
SW	1.0	2.4	2.6	.7	.1							6.9	7.0
WSW	.9	1.3	1.2	.4								3.8	6.3
W	1.7	2.0	1.7	.2								5.6	5.6
WNW	.8	.9	.9	.1								2.7	5.6
NW	1.0	1.6	2.2	.0	.0							4.8	6.0
NNW	.4	.8	1.9	.2								3.2	7.3
VARBL													
CALM												23.2	
	21.2	25.2	26.7	3.3	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2540

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14800 STATION CHANUTE AFB ILLINOIS/RANTOUL 36-70 YEARS JUL MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	2.6	.9	.0							6.0	7.5
NNE	.7	1.6	2.1	.7	.1							5.2	7.4
NE	1.0	1.5	2.6	.5	.0							5.6	7.0
ENE	.7	1.5	1.8	.2								4.4	6.4
E	1.2	1.8	1.4	.1								4.5	5.5
ESE	1.2	1.6	1.5	.1								4.4	5.5
SE	1.3	1.6	1.6	.1								4.6	5.6
SSE	.8	1.6	2.0	.4	.0							4.6	6.3
S	1.6	2.3	3.3	.7	.1	.0						7.9	6.8
SSW	1.0	1.8	3.8	1.1	.1							7.8	7.6
SW	1.4	2.2	3.7	1.1	.3	.0						8.7	7.8
WSW	1.1	1.7	2.9	1.2	.0							7.0	7.5
W	.8	1.6	2.7	.5	.0							5.7	7.1
WNW	.7	.8	2.4	.2								4.0	7.0
NW	.7	1.6	2.1	.4	.1							4.8	6.8
NNW	.7	1.1	1.7	.5								3.9	7.1
VARBL													
CALM												10.9	
	15.6	20.1	38.0	8.7	.7	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3223

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	2.6	.8	.1	.0						5.4	8.0
NNE	.4	1.6	2.3	1.1	.1							5.5	8.1
NE	.6	1.3	2.2	.8								4.8	7.5
ENE	.6	1.1	2.4	.4								4.6	7.5
E	.9	1.6	1.8	.4	.0							4.7	6.6
ESE	.5	1.1	2.1	.2	.0							3.9	7.1
SE	.7	1.0	1.8	.2	.1							3.8	6.7
SSE	.7	1.3	2.4	.4								4.9	7.0
S	.8	1.8	3.8	1.0	.1							7.4	7.9
SSW	.5	1.4	3.0	1.8	.1							8.9	8.9
SW	.8	1.5	3.2	2.9	.3	.1	.1					10.9	9.4
WSW	.7	1.4	4.0	2.1	.2							8.4	9.0
W	.8	1.5	3.2	1.8	.2	.0						7.5	8.8
WNW	.2	1.1	2.1	.9	.0							4.3	8.3
NW	.6	1.3	2.6	.9	.1	.0						5.6	8.1
NNW	.4	1.0	2.4	.9	.1							4.8	8.3
VARBL													
CALM												4.7	
	10.0	21.2	43.9	16.5	1.5	.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

3252



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/HANTOUL  
STATION NAME

36-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.6	1.0	.1							5.9	8.1
NNE	.2	1.3	2.1	.8	.2							4.6	8.3
NE	.5	1.3	2.2	.7	.0							4.7	7.6
ENE	.4	1.1	2.2	.5								4.2	7.5
E	.5	1.3	1.5	.6								4.1	6.8
ESE	.5	1.0	1.2	.2								3.6	6.9
SE	.5	1.0	1.6	.3	.1							3.5	7.1
SSE	.5	1.3	2.0	.7	.0							4.5	7.6
S	.7	1.8	3.5	1.8	.3	.0						8.2	8.8
SSW	.6	1.0	4.7	3.0	.3	.0	.0					9.7	9.8
SW	.9	1.5	5.4	2.5	.5	.2	.1					10.9	9.6
WSW	.5	1.0	3.4	2.2	.2	.2						7.4	9.7
W	.6	1.7	3.7	2.2	.2							8.4	8.8
WNW	.5	.9	2.5	1.6	.1							5.6	9.2
NW	.6	1.4	2.4	1.6	.1							6.2	8.6
NNW	.2	.9	2.3	1.6	.1							5.1	9.3
VARBL													
CALM												3.5	
	8.8	20.0	43.7	21.3	2.2	.4	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

3232

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHAMUTE AFB ILLINOIS/RANTUL  
STATION NAME

30-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	3.0	1.7	.2							7.2	8.6
NNE	.3	1.3	2.5	.9	.1							5.2	8.3
NE	.2	1.7	3.0	.9	.1							6.1	7.8
ENE	.5	1.0	1.6	.5	.0							3.7	7.3
E	1.1	1.3	1.8	.2								4.4	6.1
ESE	.8	.6	1.6	.2								3.1	6.3
SE	.6	1.2	1.4	.3								3.5	6.7
SSE	.5	1.3	2.1	.5								4.3	7.4
S	.6	2.2	4.9	1.4	.1	.0						9.2	8.2
SSW	.4	1.2	4.4	2.5	.2							8.7	9.6
SW	.9	1.6	4.2	2.6	.4	.1	.1					9.8	9.5
WSW	.2	1.4	2.7	2.2	.2	.0						6.8	9.5
W	.0	1.1	3.7	1.6	.2	.1						7.3	9.1
WNW	.0	1.0	2.5	1.8	.1	.0						6.1	9.0
NW	.3	1.1	2.9	1.4	.1	.0						5.9	9.2
NNW	.4	1.0	2.6	1.2								5.2	8.5
VARBL													
CALM												3.3	
	8.7	20.8	44.7	20.0	1.9	.2	.1					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

3247

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14805  
STATION

CHANGE APR ILLINOIS/RANTOUL  
STATION NAME

37-70  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	2.7	.5	.0							6.1	6.8
NNE	.9	2.0	2.8	.6								6.2	7.0
NE	1.3	2.4	3.1	.7	.0	.1						7.7	6.9
ENE	1.2	1.5	1.5	.2								4.4	5.5
E	1.6	1.5	.9	.0								4.1	4.7
ESE	1.0	1.4	.8	.0								3.2	5.0
SE	1.5	1.5	1.6	.0								4.4	5.2
SSE	1.2	1.8	1.6	.1								4.6	5.6
S	2.0	3.4	3.9	.5	.1	.0						9.9	6.4
SSW	1.1	2.3	2.2	.4	.1							6.1	6.4
SW	1.5	2.1	2.9	.4	.1							6.9	6.7
WSW	.8	1.6	1.7	.2								4.3	6.2
W	1.2	2.0	1.5	.3	.0			.0				5.1	6.1
WNW	.7	1.1	1.5	.4		.0						3.7	7.0
NW	.8	1.8	1.9	.3								4.8	6.5
NNW	.9	1.4	1.6	.4	.0	.0						4.4	6.7
VARBL													
CALM												13.9	
	18.7	29.6	32.1	5.1	.3	.2		.0				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

3155

DATA PREP. DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 46000 USAFETAC ILLINOIS/KANTOUL YEARS 37-70 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	1.2	.3								5.0	6.2
NNE	1.5	2.4	3.0	.3								7.2	6.3
NSE		3.0	3.0	.5								8.8	6.1
ENE	1.3	1.8	1.0	.1								4.1	5.1
E	1.5	1.8	.5	.1	.0							4.0	4.6
ESE	1.0	.9	.6	.0								2.5	4.8
SE	1.9	1.3	1.3	.1								5.1	5.1
SSE	2.2	2.0	1.7	.0								4.9	5.5
S	2.0	3.0	3.9	.4	.0							9.3	6.2
SSW	1.2	1.8	2.4	.5	.1							6.0	6.7
WSW	1.4	2.1	2.6	.4	.0							6.5	6.4
W	.8	1.3	.8	.2								3.1	5.6
WNW	.9	1.8	.8	.0	.0			.0				3.6	5.5
NW	.7	1.2	1.0	.3								3.1	5.9
NNW	.7	1.3	1.3	.2								3.4	6.1
NNW	.6	.5	.8	.1								2.0	6.2
VARBL													
CALM												21.3	
	12.7	28.6	26.7	3.4	.2			.0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2943

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTJUL  
STATION NAME

37-62  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.9	.2								4.3	6.0
NNE	1.2	2.9	2.4	.6	.0							7.1	6.3
NE	2.0	2.7	2.7	.3	.0							8.4	5.7
ENE	.8	.9	1.5									3.1	5.9
E	1.7	1.6	.7	.1								4.0	4.6
ESE	1.0	1.3	.9	.2								3.3	5.4
SE	1.6	1.7	1.5	.2	.1							5.2	5.9
SSE	1.1	1.1	1.2	.0								3.4	5.3
S	2.4	2.2	2.7	.4								7.7	5.7
SSW	1.0	1.8	1.0	.7								5.1	6.7
SW	1.3	1.6	2.1	.5								5.5	6.4
WSW	.0	1.1	1.0	.1								2.8	6.1
W	.7	.9	1.1	.1	.0							2.9	6.1
WNW	.5	1.4	1.5									3.4	6.1
NW	.6	1.5	.9									3.1	5.4
NNW	.5	.7	.8	.2	.0							2.3	7.0
VARBL													
CALM												28.1	
	18.6	24.7	24.6	2.8	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

2418

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHAMBLE AFB ILLINOIS/RANTOUL  
STATION NAME

36-65  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	2.4	.4	.0							5.6	6.4
NNE	1.5	2.8	2.3	.4								7.0	5.9
NE	2.2	2.1	2.0	.4								6.6	5.5
ENE	1.3	.9	1.0									3.1	5.0
E	2.4	1.6	.9	.0								5.0	4.5
ESE	1.3	.9	.8	.2								3.2	5.1
SE	2.9	1.6	1.5	.1	.0							5.1	4.8
SSE	1.3	.7	1.0	.3	.0							3.3	5.7
S	2.0	2.1	1.8	.3	.0	.0						6.3	5.7
SSW	.7	1.4	1.8	.4	.1							4.3	7.1
SW	1.6	1.4	2.0	.6	.0							5.6	6.3
WSW	.0	.8	1.2	.2	.0							3.0	6.3
W	.9	1.6	1.7	.0								4.3	6.6
WNW	.6	.9	.9	.0								2.4	5.6
NW	1.1	1.6	1.3	.3								4.2	5.8
NNW	.7	1.2	1.4	.1	.0							3.4	6.4
VARBL													
CALM												26.6	
	22.4	23.0	24.1	3.5	.4	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2542

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHANDLER AFB ILLINOIS/RANTOUL 36-70 YEARS AUG MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	2.0	.4								5.4	6.2
NNE	1.1	1.6	1.7	.7								5.1	6.6
NE	1.1	1.9	2.7	.6								6.3	6.7
ENE	1.0	1.1	1.9	.2								4.2	6.3
E	1.9	1.8	1.6	.1								5.4	5.2
ESE	1.4	1.4	1.6	.3								4.7	6.1
SE	1.9	1.9	1.8	.3	.0							5.9	5.8
SSE	1.0	1.6	2.1	.6								5.2	6.6
S	1.6	2.6	2.6	.7	.2							7.7	6.6
SSW	1.1	1.8	2.8	.8	.1							6.7	7.2
SW	1.1	1.9	3.4	1.1	.2							7.8	7.7
WSW	.8	1.5	2.0	.3								4.6	6.7
W	1.0	1.7	1.9	.3	.0							5.0	6.3
WNW	.4	1.0	1.3	.4								3.1	7.0
NW	.7	1.4	1.7	.2								4.0	6.4
NNW	.6	.9	1.2	.3	.0							3.0	6.9
VARBL													
CALM												15.9	
	18.0	25.7	32.4	7.5	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 3230

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANDOL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	2.1	.6	.2							4.8	7.5
NNE	.6	1.3	2.4	.8	.0							5.2	7.7
NE	.8	1.1	2.9	1.1	.1							6.0	8.1
ENE	.6	1.4	2.4	.6								5.0	7.3
E	1.0	2.1	2.2	.4	.0							5.7	6.4
ESE	.9	1.7	1.4	.5								4.5	6.5
SE	.6	1.9	2.2	.6								4.9	7.5
SSE	.2	1.2	2.8	.7	.2							5.3	8.2
S	.9	2.2	3.6	1.3	.2	.0						8.2	7.9
SSW	.8	1.6	4.2	2.0	.2	.0						8.9	8.8
SW	.9	1.9	4.9	2.6	.5							10.8	8.9
WSW	.6	1.6	3.9	1.4	.2							7.8	8.6
W	.8	1.4	3.4	1.1	.1							6.8	8.0
WNW	.4	1.1	1.9	1.0	.0							4.4	8.3
NW	.2	1.0	1.9	.3								3.7	7.1
NNW	.5	.9	1.8	.6								3.7	7.8
VARBL													
CALM												4.2	
	11.1	23.2	44.1	15.8	1.6	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 3255



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHAMITE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	3.3	1.3								6.8	7.9
NNE	.3	1.0	2.0	.9	.1							4.4	8.5
NE	.8	1.1	2.7	.8	.1							5.4	7.9
ENE	.6	1.3	2.2	.9								5.0	7.7
E	.7	1.1	2.0	.4	.0							4.7	6.9
ESE	.6	.7	1.4	.3								3.2	7.0
SE	.7	1.1	2.2	.8	.0							4.9	7.7
SSE	.5	1.0	2.1	.9	.1							4.6	8.3
S	.7	1.8	3.9	2.0	.4	.2						9.0	9.2
SSW	.6	1.5	4.5	2.4	.2	.2						9.4	9.3
SW	.7	2.0	4.5	4.1	.5	.0						11.8	9.7
WSW	.3	1.3	3.7	2.0	.2							7.6	9.4
W	.6	1.8	3.0	1.7								7.0	8.3
WNW	.2	1.0	2.1	.9	.1							4.3	8.5
NW	.5	1.2	2.1	1.1	.2							5.3	8.6
NNW	.3	.8	2.0	.9	.1							4.2	8.5
VARBL												2.9	
CALM													
	9.0	20.3	43.9	21.4	2.1	.4						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

3255

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHANUTE AFB ILLINOIS/RANTHOL STATION NAME 26-70 YEARS AUG MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L S Y)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	3.5	1.3	.1		.0					7.4	8.3
NNE	.6	1.2	2.6	1.3	.0	.0	.0					5.8	8.4
NE	.8	1.6	2.8	.9	.1							6.2	7.9
ENE	.6	1.1	2.3	.5	.1							4.5	7.8
E	.9	1.8	1.4	.3								4.4	6.0
ESE	.5	.9	1.6	.1								3.0	6.6
SE	.9	1.8	1.9	.5	.1	.0						5.1	6.8
SSE	.6	1.4	2.3	.4	.1							4.8	7.3
S	.8	2.1	4.2	1.8	.2	.1						9.2	8.4
SSW	.8	1.7	4.2	2.1	.2	.0						9.0	8.6
SW	.9	2.1	5.5	2.1	.3							11.0	8.6
WSW	.4	1.1	3.2	1.5	.2	.0						6.4	8.9
W	.5	1.5	3.2	1.4	.0							6.7	8.2
WNW	.4	1.1	1.8	.7	.1							4.1	8.0
NW	.2	1.0	2.4	1.1	.1							4.7	8.6
NNW	.3	1.4	2.3	.9	.0							4.8	7.9
VARBL													
CALM												3.0	
	10.0	23.3	45.1	16.8	1.5	.2	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 3251

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTUHL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.0	1.9	.3	.0							6.9	5.7
NNE	1.7	2.6	2.5	.7		.0						7.5	6.4
NE	1.9	2.7	2.5	.5	.1							7.7	6.0
ENE	1.5	1.5	1.7	.2								4.9	5.7
E	2.2	1.5	.7	.1								4.5	4.3
ESE	1.0	.9	.5	.0								2.4	4.7
SE	1.3	2.0	1.5	.1	.0							5.1	5.5
SSE	1.2	1.8	1.3	.3	.1							4.6	5.9
S	2.6	3.2	2.7	.3	.0							8.8	5.5
SSW	1.8	2.8	2.0	.2	.0							6.9	5.5
SW	2.4	2.1	1.7	.2	.0							6.4	5.2
WSW	1.0	1.3	.9	.3		.0						3.5	5.6
W	1.0	1.6	1.0	.2	.0	.0						3.9	5.7
WNW	.3	.7	1.1	.2								2.3	6.8
NW	.8	1.5	1.7	.2	.0							4.2	6.2
NNW	.9	1.4	1.1	.2								3.6	5.9
VARBL													
CALM												16.7	
	23.5	30.5	24.8	4.0	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

3164

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14805  
STATION

CHANUTE AFB ILLINOIS/KANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.4	2.1	.3		.0						4.9	6.3
NNE	2.5	2.6	2.7	.2	.0							8.1	5.6
NE	2.1	2.9	3.2	.7								8.9	6.1
ENE	1.4	1.5	1.4	.3								4.5	5.7
E	1.9	1.2	1.2	.1								4.4	4.9
ESE	1.1	1.1	1.0	.1								3.2	5.2
SE	2.0	2.0	1.2	.1	.1							5.3	5.1
SSE	1.3	1.5	1.3	.1								4.3	5.4
S	2.5	3.6	2.1	.6								8.9	5.5
SSW	1.4	1.8	1.9	.7	.1							5.9	6.6
SW	1.6	1.3	1.5	.3								4.7	5.6
WSW	.8	.6	.5	.0								2.0	5.1
W	.7	1.0	.8	.1								2.6	5.8
WNW	.3	.8	1.0	.2		.0						2.4	7.0
NW	.5	1.0	1.2	.0								2.7	6.0
NNW	.4	1.0	.5	.1	.0	.0						2.1	6.2
VARBL													
CALM												25.2	
	21.9	25.1	23.5	4.1	.2	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2942

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHARLES AFB ILLINOIS/FANTAIL  
STATION NAME

30-63  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.0	.7	.0							4.7	7.6
NNE	1.4	2.0	2.0	.2								5.9	6.2
NE	2.5	2.4	2.9	.8								8.6	6.1
ENE	.9	1.8	.9	.1								3.7	5.5
E	2.2	2.1	1.4	.0	.0							5.7	4.9
ESE	1.2	1.1	.5									2.8	4.5
SE	2.0	2.2	2.2	.3								6.7	5.8
SSE	1.1	1.3	1.0	.2		.0						3.7	5.6
S	2.0	2.1	3.1	1.7	.1	.0						9.0	7.3
SSW	.0	1.3	2.2	.7	.0							4.8	7.7
SW	.9	1.9	2.4	.6	.0							5.8	7.1
WSW	.8	1.0	1.0	.2	.0							3.1	6.3
W	1.0	2.0	1.3									4.4	5.3
WNW	.2	1.5	1.3	.1	.0							3.5	6.4
NW	.0	1.4	2.0	.4	.0							4.5	6.9
NNW	.3	1.1	1.3	.5								3.2	7.6
VARBL													
CALM												23.0	
	18.4	26.5	27.9	6.8	.4	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2457

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14896  
STATION

CHARLOTTE AFB ILLINOIS/RANTHOL  
STATION NAME

30-65  
YEARS

SEP  
MONTH

0300-0500  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	1.7	.7	.0							4.7	7.1
NNE	1.1	1.8	2.0	.7								5.5	6.8
NE	2.0	2.6	2.1	.7								7.5	6.0
ENE	1.0	1.7	1.0	.3								3.9	5.5
E	2.1	2.3	1.3	.2								5.4	4.9
ESE	.9	1.3	.0	.1								3.0	5.1
SE	2.4	2.1	1.9	.1								6.5	5.2
SSE	1.3	1.7	1.3	.4	.0							4.9	5.8
S	1.4	2.3	3.2	.9	.2	.0						8.0	7.2
SSW	.7	1.1	1.7	.4								3.9	6.9
SW	1.3	2.0	2.1	.4	.0	.0						5.9	6.4
WSW	.8	1.0	.7	.1	.1							2.8	5.9
W	1.2	1.7	1.5	.1	.0							4.5	5.7
WNW	.6	1.4	1.8	.4	.0							4.3	6.9
NW	.0	1.0	2.2	.5				.0				3.1	5.8
NNW	.2	1.1	1.5	.7	.0	.0						3.7	8.1
VARBL													
CALM												19.9	
	18.5	27.9	26.5	6.5	.5	.1		.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2539

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHAMPELLE AFB ILLINOIS/RANTHOL  
STATION NAME

16-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.6	.8	.0							4.6	7.3
NNE	.5	1.7	1.2	1.0								5.1	7.6
NE	1.3	1.5	2.3	.9	.1	.0						6.1	7.3
ENE	.6	1.6	1.6	.7	.0							4.5	7.1
E	1.8	1.7	1.5	.4								5.4	5.7
ESE	1.1	1.0	1.3	.3								3.7	5.6
SE	1.8	2.1	2.3	.4	.0							6.7	6.1
SSE	1.3	2.1	2.2	.8								6.4	6.6
S	1.6	2.9	3.9	1.7	.3							10.5	7.8
SSW	.7	1.1	2.3	1.2	.2	.0						5.5	8.6
SW	1.0	1.6	3.1	1.3	.1							6.9	7.8
WSW	.7	1.1	1.5	.5	.1							3.8	7.0
W	.7	1.2	1.5	.5	.1							3.9	7.1
WNW	.4	1.4	1.8	.4	.2	.0						4.3	7.7
NW	.7	1.6	2.4	.4	.0	.0						5.2	7.2
NNW	.5	1.0	2.0	.8	.0	.0						4.3	8.2
VARBL													
CALM												13.1	
	15.3	25.0	33.2	12.1	1.1	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 3147

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

JFP  
NORTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.1	1.2	.1	.0						5.1	8.4
NNE	.4	.9	2.1	1.0	.1							4.2	8.8
NE	.0	1.1	2.0	1.3	.4							5.4	8.9
ENE	.2	1.1	2.0	1.3	.2							5.0	9.2
E	.3	1.3	1.9	.5	.0							4.3	7.2
ESE	.0	1.7	1.7	.5								4.5	6.8
SE	.8	1.3	2.3	.7	.1	.0						5.2	7.9
SSE	.6	1.6	3.1	1.1	.3	.0						6.7	8.5
S	.7	1.6	4.2	3.7	.8	.1						11.1	10.1
SSW	.4	1.3	3.7	3.1	.5	.1						9.1	10.1
SW	.5	.9	4.2	3.4	.7	.3						9.8	10.7
WSW	.3	.8	2.4	1.8	.4	.0						5.9	10.0
W	.4	1.0	2.6	1.6	.3	.1						6.0	9.5
WNW	.3	.9	2.0	1.0	.2	.0						4.4	8.8
NW	.6	1.1	2.4	1.5	.1	.1						5.7	8.7
NNW	.2	1.2	1.8	1.2	.0	.0						4.3	8.9
VARBL													
CALM												3.1	
	7.0	18.8	40.6	24.9	4.2	.8						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 3148



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHAMUTE AFB ILLINOIS/BAHTEL  
STATION NAME

36-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	2.4	1.4	.1							5.7	8.5
NNE	.4	1.1	2.1	1.1	.2							4.8	8.9
NE	.8	.9	2.1	1.5	.3							5.5	8.8
ENE	.6	.8	1.7	1.0	.1							4.2	8.7
E	.2	.9	1.8	.4								3.6	7.1
ESE	.2	1.3	1.3	.2	.0							3.0	7.1
SE	.6	1.3	2.0	.5	.0	.1						4.5	7.6
SSE	.4	1.1	3.5	1.4	.2	.0	.0					6.7	9.2
S	.4	1.6	4.0	4.0	1.1	.4	.0					11.6	11.2
SSW	.4	1.0	3.6	3.8	.7	.2	.0					9.7	11.0
SW	.3	1.0	3.0	3.0	.8	.2	.0					8.2	11.3
WSW	.3	.8	2.3	2.0	.3	.0						5.7	10.3
W	.5	1.2	3.4	1.6	.5							7.3	9.5
WNW	.3	.9	2.4	1.8	.2							5.6	9.7
NW	.3	.7	2.4	2.1	.2	.0						5.5	10.1
NNW	.2	.9	2.8	1.9	.0							5.4	9.3
VARBL													
CALM												3.0	
	5.6	16.7	40.7	27.2	4.7	1.0	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

3150

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHAMPE AFB ILLINOIS/RANTHILL  
STATION NAME

36-70  
YEARS

SFP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	2.5	1.2	.1							5.4	7.8
NNE	.5	1.2	2.6	1.6	.0							5.9	8.7
NE	.7	1.3	2.6	1.6	.2							6.4	8.6
NNE	.6	1.1	1.9	.7								4.2	7.5
E	.4	1.3	1.3	.4								3.5	6.5
ESE	.8	1.0	1.1	.3								3.2	6.2
SE	.7	1.8	3.1	.3	.0							6.0	7.1
SSE	.7	1.5	2.8	1.3	.2							6.5	8.4
S	.6	2.0	4.6	3.6	1.1	.4	.0					12.3	10.6
SSW	.3	.9	3.6	2.5	.5	.0						7.8	10.3
SW	.6	1.5	3.3	2.2	.4	.1						8.0	9.4
WSW	.3	1.0	2.0	.9	.1	.0						4.4	8.7
W	.3	1.3	2.4	1.5		.0	.0					5.8	8.8
WNW	.3	1.0	2.3	1.6	.1							5.3	9.1
NW	.3	1.0	2.6	1.7	.2							5.8	9.3
NNW	.3	1.0	2.4	1.3	.0							5.1	8.9
VARBL													
CALM												3.6	
	8.5	20.7	41.2	22.5	2.9	.5	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

3147

3

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

14806  
STATIONCHANUTE AFB ILLINOIS/RANDOL  
STATION NAME36-70  
YEARSSEP  
MONTHALL WEATHER  
CLASS1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.8	.7	.1							5.1	6.7
NNE	1.5	2.5	3.2	1.1	.0							8.3	7.0
NE	1.7	2.3	3.2	.6	.2							7.9	6.7
ENE	1.1	1.5	1.1	.2	.0							3.9	5.5
E	1.9	1.7	1.0	.2	.0							4.9	4.9
ESE	1.0	1.0	.8	.0								2.9	5.1
SE	1.9	2.9	2.7	.2								7.7	5.7
SSE	1.4	2.2	1.7	.6	.1							6.0	6.1
S	1.3	3.9	3.7	1.3	.3							10.7	7.2
SSW	.8	1.7	2.3	.5	.1							5.4	6.8
SW	1.5	1.7	1.7	.4	.1							5.3	6.1
WSW	.8	1.3	.5	.2	.1							2.9	3.8
W	1.2	2.1	.8	.1								4.3	5.2
WNW	.0	1.0	1.0	.3								3.0	6.4
NW	.7	2.0	2.2	.4	.0	.0						5.4	6.8
NNW	.0	1.4	1.3	.7	.0							4.0	7.1
VARBL													
CALM												12.3	
	19.2	31.0	29.2	7.3	.9	.0						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

3072

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RAINTHUL  
STATION NAME

36-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.9	.8	.0							5.4	7.0
NNE	1.9	2.7	2.2	.8								7.2	6.3
NE	1.7	3.6	3.7	.9	.1							10.0	6.7
ENE	1.0	1.3	.9	.2								3.5	5.6
E	1.9	2.2	1.0	.1								5.0	5.0
ESE	1.0	1.6	.6									3.1	4.5
SE	2.1	2.8	1.8	.2								6.9	5.3
SSE	1.3	2.0	1.5	.5	.1							5.2	6.3
S	1.7	2.6	3.8	1.3	.0	.1						9.5	7.3
SSW	.8	1.3	1.7	.7	.1							4.6	7.3
SW	1.9	1.9	1.7	.6	.0							6.1	6.3
WSW	.7	1.2	.6	.2								2.7	5.8
W	1.0	1.6	.5	.1				.0				3.2	5.3
WNW	.3	1.3	1.2	.1								2.9	6.2
NW	.8	1.7	1.7	.6	.1							4.1	6.8
NNW	.4	1.1	1.1	.5	.0							3.0	7.0
VARBL													
CALM												16.7	
	18.9	39.4	25.8	7.6	.5	.1		.0				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

2864

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTUL

36-63

YEARS

0000-0200  
HOURS (L & T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	2.3	.7	.2	.1						5.8	7.7
NNE	.8	2.0	1.4	.4		.0						4.6	6.3
NE	1.4	1.9	1.9	.6	.1	.0						5.5	6.5
ENE	1.0	1.0	.9	.2		.0						3.1	5.6
E	1.7	1.4	.9									3.9	4.6
ESE	1.0	.9	.8	.3	.0							3.0	6.4
SE	1.9	2.0	2.1	.5								6.4	5.9
SSE	1.0	1.5	1.7	.7	.1							5.0	7.0
S	1.4	2.5	3.3	.9	.3	.3	.0					8.6	8.0
SSW	.8	1.0	2.6	1.4	.1							5.9	3.4
SW	1.1	1.5	3.6	.9	.0	.0						7.2	7.5
WSW	.5	1.0	1.2	.3	.1							3.1	7.3
W	.9	2.1	2.2	.5	.1							5.8	6.7
WNW	.9	1.4	1.7	.6	.2	.0						4.8	7.5
NW	1.1	1.9	2.9	.8	.3							7.0	7.6
NNW	.5	.8	1.2	.6	.1	.1						3.3	8.4
VARBL													
CALM												16.7	
	16.7	24.3	30.8	9.2	1.5	.6	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2586

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14860  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-65  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

0200-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.7	.9	.0							4.7	7.6
NNE	.6	2.0	1.6	.5	.0							4.8	6.7
NE	1.4	1.7	1.9	.3	.0							5.4	6.0
ENE	.6	1.1	1.0	.1	.0	.0						2.8	6.2
E	1.2	1.4	.9	.1	.0							3.9	5.1
ESE	1.3	1.1	.9	.2								3.4	5.4
SE	2.0	2.6	1.9	.4	.1	.0		.0				7.1	6.0
SSE	1.1	1.5	1.6	.3	.0							4.6	6.3
S	1.1	1.7	3.1	1.1	.2	.3		.0				7.6	8.6
SSW	.5	1.1	2.5	.9	.2	.0						5.2	8.7
SW	1.1	1.5	3.1	1.0	.2	.1						6.9	7.8
WSW	.6	1.3	1.1	.6		.1						3.7	7.7
W	1.2	1.8	2.5	.5		.0						6.0	6.6
WNW	.8	1.6	1.9	.7	.2							5.2	7.5
NW	1.2	2.3	3.0	.6	.2	.1						7.3	7.2
NNW	.2	1.1	1.6	.8	.3							3.9	8.9
VARBL													
CALM												17.1	
	16.0	25.2	30.2	9.1	1.6	.8		.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2637

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14E06 STATION CHAMUTE AFB ILLINOIS/RAH00L 36-70 YEARS  
ALL WEATHER CLASS  
CONDITION  
NCT NORTH  
0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	1.9	.8	.1	.0						4.9	7.9
NNE	.9	1.2	1.5	.5	.1							3.7	7.4
NE	.7	1.1	1.7	.5	.1							4.2	7.1
ENE	.8	1.1	.8	.2								2.9	5.8
E	1.0	1.4	1.4	.2								4.0	5.9
ESE	1.3	1.0	1.0	.2								3.5	5.6
SE	2.0	2.4	2.0	.5	.1	.1						7.1	6.3
SSE	1.6	1.8	2.6	.6	.2							6.7	6.7
S	1.2	2.3	3.7	1.8	.5	.2	.1	.0				9.7	8.8
SSW	.5	.8	2.8	1.7	.3	.0						6.1	9.5
SW	1.1	1.6	2.4	1.6	.3							6.9	8.4
WSW	.7	1.3	1.7	.8	.1	.0						4.6	7.6
W	1.1	1.9	2.9	1.1	.2							7.2	7.5
WNW	.4	1.2	2.1	1.0	.2	.0						5.0	8.7
NW	1.2	1.7	2.6	.9	.3	.0						6.8	7.7
NNW	.4	1.1	2.0	.9	.2							4.7	8.5
VARBL													
CALM												12.0	
	15.1	23.2	33.1	13.5	2.5	.4	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 3230

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHARUTE AFB ILLINOIS/KANTOUL  
STATION NAME

36-70  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.3	2.1	1.2	.2	.0	.0	.0				5.3	8.7
NNE	.3	.4	1.8	.6	.1	.0						3.3	8.8
NE	.7	.9	1.8	.8	.2							4.4	8.2
ENE	.3	.5	1.4	.5	.0							2.6	8.4
E	.6	.9	1.4	.7	.0							3.6	7.7
ESE	.4	1.1	1.4	.4								3.3	7.2
SE	.4	.0	2.5	1.1	.0							4.8	8.8
SSE	.6	1.3	3.2	1.6	.3	.0						7.0	8.9
S	.0	1.4	4.9	3.2	1.2	.5	.1					11.8	11.1
SSW	.4	1.0	3.5	4.2	.8							9.9	11.1
SW	.6	1.0	3.5	3.8	.6	.2		.0				9.6	11.0
WSW	.3	.6	2.6	1.8	.4	.1						5.9	10.5
W	.6	1.0	2.9	2.5	.5	.0						7.4	10.1
WNW	.3	.8	1.7	2.1	.3	.1						5.2	10.3
NW	.2	1.1	2.6	2.6	.5	.1						7.3	10.3
NNW	.3	1.0	2.2	1.6	.3							5.6	9.5
VARBL													
CALM												2.6	
	7.4	15.2	39.6	23.5	5.5	1.0	.1	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

3254



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/HANDJUL  
STATION NAME

36-70  
YEARS

11-1  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	2.4	1.0	.1							4.5	8.6
NNE	.2	.8	1.7	1.1	.2							3.9	9.5
NE	.5	.6	1.8	.7	.3							3.7	8.8
ENE	.3	.7	1.3	.4	.0							2.7	7.6
E	.3	.6	1.5	.7	.1							3.3	8.4
ESE	.2	.8	1.0	.6	.0							2.7	8.0
SE	.4	.9	1.9	.8	.1							4.1	8.3
SSE	.3	1.0	2.3	2.1	.3	.0						6.0	9.9
S	.5	1.1	3.8	3.7	1.3	.6	.1					10.9	11.8
SSW	.5	.6	3.1	5.3	1.4	.3						11.6	12.2
SW	.5	.5	3.4	3.7	1.3	.3	.1					9.8	12.0
WSW	.4	1.0	2.1	2.5	.6	.1						6.6	10.5
W	.6	1.1	2.4	3.3	1.1	.2	.0					8.9	11.4
WNW	.2	.9	2.4	2.4	.6	.1						6.6	10.8
NW	.2	.6	2.6	2.7	.7	.1						6.8	11.4
NNW	.5	.9	2.2	1.8	.3							5.7	9.5
VARBL													
CALM												2.5	
	5.8	13.0	36.0	32.7	8.2	1.7	.2					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 3255

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANUTE AFB ILLINOIS/RANTGUL  
STATION NAME

36-70  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	2.2	1.0	.1							5.1	8.0
NNE	.4	.7	1.8	.9	.1							3.9	8.8
NE	.7	1.7	1.7	.9	.0							4.9	7.4
ENE	.4	.6	1.2	.4	.0							2.9	7.5
E	.7	1.0	1.5	.4								3.6	6.8
ESE	.4	.9	1.1	.2								2.6	6.6
SE	.5	1.1	1.9	.6	.1							4.2	7.6
SSE	.4	.9	2.7	1.2	.2	.1						5.5	9.1
S	.6	2.0	5.3	3.5	1.1	.3						12.8	10.3
SSW	.6	1.3	3.4	3.2	.4	.1						9.1	9.9
SW	.8	1.0	3.7	1.9	.8	.0						8.3	9.9
WSW	.5	1.3	1.8	1.1	.2							4.9	8.6
W	.8	1.3	2.6	2.0	.4	.0						7.7	9.7
WNW	.6	1.7	2.6	1.9	.4	.1						7.3	9.4
NW	.7	1.4	3.4	1.9	.4							7.8	9.1
NNW	.4	1.1	2.1	1.3								4.9	8.6
VARBL													
CALM												4.5	
	9.3	19.1	39.1	23.0	4.4	.7						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 3252

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

14806  
 STATION

CHAMUTE AFB ILLINOIS/RANTOUL  
 STATION NAME

36-70  
 YEARS

UCT  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	2.0	.6	.1							5.5	6.9
NNE	.5	1.6	2.3	.6	.1	.0						5.2	7.6
NE	1.1	1.8	1.9	.6		.1						5.4	6.9
ENE	1.0	1.4	.8	.3								3.4	5.6
E	1.4	1.4	1.2	.3		.1						4.3	5.9
ESE	.7	.9	1.0	.2	.0							2.8	6.2
SE	.8	2.5	2.0	.3	.1	.1		.0				5.8	6.8
SSE	1.2	2.5	2.4	.6	.0	.0						6.7	6.7
S	1.2	4.1	4.8	1.3	.4	.2	.1					11.9	7.7
SSW	1.0	1.9	2.1	.9	.1	.0						6.0	7.4
SW	1.5	1.8	2.0	.4	.1	.1						6.5	6.7
WSW	.6	1.2	1.1	.2	.9							3.2	6.3
W	1.0	2.5	2.0	.6	.1							5.4	6.7
WNW	.8	1.7	1.5	.8	.2							5.1	7.5
NW	1.0	1.6	2.7	1.1	.1							6.4	7.6
NNW	.7	1.4	1.9	.4	.1							4.5	6.9
VARBL													
CALM												17.9	
	15.4	30.0	32.2	9.3	1.4	.7	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

3180

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURLS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9	2.2	.9	.0							4.9	7.8
NNE	.8	2.4	2.3	.5	.0							6.0	6.6
NE	1.1	1.8	1.8	.4	.1							5.2	6.6
ENE	.0	1.2	.6	.3	.1							3.0	6.4
E	1.1	1.5	1.5	.3								4.5	6.0
ESE	.8	.9	1.0	.3								2.9	6.2
SE	2.0	2.7	2.1	.2	.0							7.1	5.7
SSE	1.4	2.1	1.9	.9	.1	.0						6.4	7.1
S	1.2	2.8	3.4	1.8	.4	.3						10.0	8.4
SSW	.4	1.5	2.3	1.2	.2							5.7	8.6
SW	1.4	2.0	2.4	.9	.0							6.7	6.8
WSW	.6	.8	1.0	.7	.1							3.3	7.9
W	.9	1.7	2.0	.7	.1	.0						5.5	7.1
WNW	.6	1.2	1.8	.9	.0							4.6	7.7
NW	.9	1.9	3.1	.9	.1							7.0	7.5
NNW	.3	.9	1.3	.4	.1							3.0	7.7
VARBL													
CALM												14.3	
	15.0	26.4	30.9	11.5	1.6	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 3001

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 CHARLIE AFB ILLINOIS/RANTOUL STATION NAME 36-63 YEARS MONTH 1, IV  
CLASS ALL WEATHER HOURS (LST) 0000-0200

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	2.3	.8	.0	.0	.0					4.9	8.1
NNE	.4	.6	1.2	.3								2.5	7.1
NE	.6	1.3	1.4	.1	.1	.1	.1					3.8	7.8
ENE	.2	.7	.8	.4	.0							2.2	7.6
E	.5	.7	.8	.4	.0							2.4	7.3
ESE	.4	.6	.6	.4	.0							2.0	7.2
SE	.9	1.1	2.0	1.3	.2							5.6	8.2
SSE	.9	1.3	2.0	1.0	.1							3.3	7.8
S	.7	2.0	3.3	2.5	.6	.3	.1					9.5	9.8
SSW	.4	1.2	2.6	2.0	.6	.2						7.1	10.1
SW	1.5	1.7	2.6	1.8	.5	.1	.0					8.7	8.7
WSW	.9	1.2	2.4	1.3	.4	.2						6.3	9.2
W	1.1	2.3	3.6	1.3	.9	.2	.1					9.5	8.8
WNW	.9	1.6	3.4	1.6	.6	.1	.0					8.2	9.4
NW	.9	2.2	3.5	1.8	.2	.0						8.6	8.4
NNW	.4	.8	1.8	1.1	.1	.1	.0					4.4	9.3
VARBL													
CALM												9.4	
	11.4	20.5	34.4	18.2	4.4	1.4	.4					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2449

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOIL  
STATION NAME

36-62  
YEARS

NNV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	1.7	.6	.1							4.9	7.3
NNE	.4	1.1	1.3	.1	.0							3.0	6.6
NE	.5	1.2	1.3	.1		.2	.2					3.5	8.5
ENE	.3	.3	.6	.4	.1	.0						1.8	6.6
E	.7	.7	1.0	.4								2.7	6.8
ESE	.7	.5	.5	.3								2.0	5.9
SE	.8	1.2	1.6	1.5	.2							5.3	8.6
SSE	.8	1.2	2.5	1.0	.3	.1	.0					6.0	8.7
S	.8	1.3	3.1	2.3	.6	.1	.1					8.5	9.8
SSW	.5	1.3	2.6	1.6	.3		.2					6.4	9.4
SW	1.9	1.9	3.4	1.3	.3	.2						9.0	7.9
WSW	.7	1.3	2.2	1.9	.4	.1						6.7	9.6
W	1.1	2.4	4.7	1.8	.6	.3	.1					10.9	8.9
WNW	.8	1.6	2.0	1.8	.3	.1						7.2	9.9
NW	.8	1.4	3.0	1.7	.4	.1						7.4	9.1
NNW	.3	.8	1.8	1.0	.2	.0						4.3	9.1
VARBL													
CALM												16.7	
	11.4	20.5	34.1	17.8	3.6	1.3	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2391

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

148000 CHALAT AFB ILLINOIS/HANTJL 36-70 1954  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
3600-0800  
HOURS (L S T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	2.0	.5	.1		.0	.1				4.7	8.1
NNE	.5	1.5	1.1	.4	.1							3.6	6.9
NE	.5	.7	1.1	.2	.1	.1	.0					2.0	8.1
ENE	.5	.5	.8	.2		.1						2.1	7.0
E	.6	.5	.6	.1								1.9	5.9
ESE	.5	.7	.6	.2								2.1	6.0
SE	1.1	1.9	1.7	.9	.2	.0	.0					5.4	7.8
SSE	.9	1.8	2.5	1.1	.5	.1	.0					7.0	8.7
S	1.2	2.1	3.5	3.2	.7	.3	.0					11.0	10.0
SSW	.4	1.1	3.1	1.3	.3	.0	.0					6.2	9.2
SW	.9	1.7	2.5	1.6	.4	.1	.1					7.3	9.1
WSW	.6	1.5	2.4	1.3	.3	.1						6.3	9.0
W	1.5	2.1	3.5	2.6	.4	.3	.1					10.4	9.2
WNW	.9	1.3	3.0	2.6	.6	.1						8.4	9.7
NW	.9	1.3	2.6	2.7	.4	.1	.1					8.1	9.6
NNW	.2	1.0	1.7	1.1	.4	.0						4.4	9.5
VARBL													
CALM												8.3	
	11.7	20.8	32.8	19.8	3.7	1.4	.4	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 3000

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14806 CHANUTE AFB ILLINOIS/RAHQUIL STATION NAME 36-70 YEARS MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8	1.7	.7	.2	.1	.0					3.7	9.4
NNE	.2	.8	1.5	.5	.1	.0						3.0	8.3
NE	.2	.6	1.2	.7	.1	.1	.0					3.0	9.1
ENE	.2	.6	1.0	.4	.1	.1						2.4	8.9
E	.4	.9	.6	.3								2.2	6.7
ESE	.3	.6	.9	.2	.0							2.0	7.4
SE	.3	.7	1.9	1.0	.3	.0	.2					4.4	10.1
SSE	.4	.9	2.0	2.2	.3	.2	.1	.1				6.3	11.0
S	.4	1.4	4.4	4.2	1.9	1.0	.1					13.4	12.2
SSW	.4	.9	2.8	3.3	.9	.5		.1	.0			8.9	12.4
SW	.3	.9	2.4	2.7	1.0	.4	.2					7.9	12.3
WSW	.4	.9	2.3	2.2	.8	.2	.0					6.4	11.0
W	.4	1.4	3.6	3.8	1.5	.4						11.1	11.6
WNW	.2	1.0	2.6	3.6	1.1	.1	.0					8.6	11.6
NW	.3	1.2	3.2	2.7	1.0	.1						8.5	10.9
NNW	.3	.8	2.2	1.8	.3	.3						5.7	10.4
VARBL													
CALM												2.0	
	5.1	14.5	34.3	30.5	9.4	3.4	.6	.2	.0			100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 3150



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14000 STATION CHANUTE AFB ILLINOIS/RANTHOL 36-70 YEARS NOV MONTH  
ALL WEATHER CLASS 1200-1400 NO. 225 (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.4	.8	.2	.0						3.5	9.3
NNE	.1	.7	1.3	.5	.1	.1						2.7	9.0
NE	.2	.4	1.1	.0	.2	.1						2.6	10.1
ENE	.5	.6	.8	.3	.1							2.3	7.1
E	.3	.5	.7	.4	.1							2.0	7.6
ESE	.3	.3	.8	.2	.0							1.6	7.4
SE	.3	.7	1.6	.8	.3	.1	.1					3.4	10.2
SSE	.2	.6	2.0	2.3	.8	.3	.1	.0				6.2	12.4
S	.2	1.0	3.3	5.1	1.7	1.0	.2					12.9	13.3
SSW	.3	.6	2.7	3.9	1.7	.3	.2					9.7	13.0
SW	.2	.8	2.6	2.7	1.2	.5	.1		.1			8.2	12.9
WSW	.2	.7	2.3	2.8	1.0	.3	.1	.0				7.4	12.3
W	.3	1.3	3.8	4.2	2.2	.6		.0				12.4	12.4
WNW	.3	1.2	2.8	3.8	1.2	.2						9.5	11.5
NW	.4	1.0	3.1	2.9	1.0	.1						8.6	10.9
NNW	.2	.9	2.3	1.9	.3	.1						5.3	10.9
VARBL													
CALM												1.6	
	4.3	11.9	32.0	32.9	12.1	3.6	.8	.1	.1			100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 3149

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RAH100L  
STATION NAME

36-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	1.5	.7	.2	.1						3.7	8.4
NNE	.7	.5	1.1	.4	.2							2.9	7.6
NE	.5	.4	1.4	.2	.1	.2						2.8	8.4
ENE	.5	.8	.7	.2	.0							2.0	6.9
E	.0	.8	.7	.2								2.3	5.8
ESE	.5	.5	.6	.3								1.8	7.1
SE	.5	1.0	1.7	.7	.3	.2						4.4	9.0
SSE	.4	1.8	2.3	2.0	.3	.3	.1					7.1	10.0
S	.6	2.3	5.1	3.7	1.2	.5	.1					13.4	10.8
SSW	.2	1.3	2.2	2.0	1.0	.3						6.9	11.0
SW	.5	1.1	2.0	1.7	.5	.2	.1					6.1	10.4
WSW	.5	1.4	2.5	1.9	.6	.1	.0	.1				7.1	10.3
W	.7	1.4	4.0	3.2	1.2	.2	.1					11.0	10.5
WNW	.5	1.5	3.2	3.4	.8	.1						9.5	10.5
NW	.8	1.5	3.4	2.5	.7	.1						9.0	9.6
NNW	.4	1.1	2.6	1.4	.1	.1						5.7	8.1
VARBL													
CALM												4.2	
	8.2	18.4	34.8	24.5	7.1	2.2	.4	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 3148

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70 MONTH NOV  
CLASS ALL WEATHER 1000-2000  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	1.7	.8	.1	.0						5.1	7.5
NNE	.3	.5	1.5	.2	.1	.1						2.5	7.8
NE	.6	1.0	.9	.4	.1	.1	.0					3.1	7.7
ENE	.6	.7	.5	.3	.0							2.1	6.2
E	1.0	.9	.7	.2								2.7	5.2
ESE	.5	.9	.8	.2	.1							2.5	6.8
SE	.5	1.3	2.4	.8	.3	.0	.0					5.3	8.5
SSE	.7	2.0	2.6	1.7	.3	.2	.0					7.5	9.0
S	1.0	1.9	3.9	3.1	.9	.4	.2					11.4	10.4
SSW	1.0	1.6	1.5	.9	.3	.2						5.5	8.6
SW	.8	1.7	2.0	1.3	.2	.0			.0			6.1	8.2
WSW	.5	1.7	2.0	1.0	.4	.3	.0	.0				5.9	9.6
W	1.1	2.5	3.9	2.1	.6	.2						10.5	9.0
WNW	1.0	1.7	3.4	2.3	.5	.2	.0					8.9	9.5
NW	1.1	1.3	3.5	1.9	.4	.1	.0					8.3	9.0
NNW	.6	.8	1.7	.8	.2	.0						4.1	8.3
VARBL													
CALM												2.1	
	12.2	22.1	32.8	17.9	4.4	1.9	.3	.0	.0			100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 3145

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	1.8	.8	.2		.0					4.8	8.0
NNE	.3	.7	1.0	.2								2.2	6.8
NE	.3	1.0	1.1	.3	.1	.1	.0					3.0	8.2
ENE	.3	.8	.8	.3	.1							2.4	7.5
E	.9	1.0	.9	.2								3.0	5.7
ESE	.7	.8	.8	.2								2.5	5.9
SE	.6	1.5	2.3	.8	.2	.1						5.5	8.2
SSE	.9	1.6	2.4	1.2	.1	.1						6.3	8.1
S	1.0	1.9	3.6	2.9	.7	.3	.1	.1				10.6	10.2
SSW	.6	1.4	1.7	1.6	.7	.2						6.2	10.0
SW	1.0	1.7	2.6	1.6	.5	.0						7.5	8.8
WSW	.6	1.6	1.9	1.3	.4	.3						6.0	9.3
W	1.2	2.6	3.9	1.6	.5	.3	.0					10.2	8.7
WNW	.5	1.5	3.1	2.0	.4	.2	.0					7.8	9.7
NW	.5	1.8	3.6	2.6	.4	.0						8.9	9.4
NNW	.3	1.0	1.9	.7	.2	.1						4.2	8.8
VARBL													
CALM												9.0	
	10.7	22.2	33.4	18.2	4.5	1.7	.2	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 3145

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-63  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.0	1.0	.2	.1	.0					5.3	8.3
NNE	.2	.6	1.1	.4								2.4	7.8
NE	.4	.7	1.2	.8	.1	.0						3.3	8.6
ENE	.5	.8	.7	.7	.0							2.7	7.6
E	.6	.9	1.1	.5	.0							3.0	7.3
ESE	.3	.6	.9	.4	.1	.0						2.3	8.1
SE	1.0	1.4	2.5	1.3	.1	.0						6.3	7.9
SSE	.8	1.0	2.2	1.1	.2	.2						5.5	9.1
S	.7	1.7	2.7	2.9	.4	.2						8.6	9.7
SSW	.5	1.2	3.1	2.0	.1	.1						6.9	9.4
SW	.6	1.7	3.2	1.9	.2	.0						7.6	9.0
WSW	.4	1.1	2.1	1.7	.3	.0		.1				5.8	9.7
W	.9	2.0	3.5	1.5	.6	.1	.0					8.7	8.5
WNW	.6	1.3	4.2	2.3	.5							8.9	9.5
NW	.6	1.9	5.3	2.1	.4	.1						10.3	8.9
NNW	.4	.7	2.0	.9	.2	.1						4.3	9.3
VARBL													
CALM												8.0	
	9.2	19.0	37.8	21.4	3.3	1.1	.1	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

2539

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CLANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-67  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	2.2	1.5	.2	.1						5.5	9.0
NNE	.2	1.0	1.3	.6	.1							3.2	8.6
NE	.3	.6	1.1	.9	.3	.1						3.3	9.7
ENE	.3	.7	1.0	.6	.1							2.6	8.5
E	.5	1.2	.7	.4								2.8	6.8
ESE	.4	1.0	1.4	.4	.1							3.3	7.5
SE	1.4	1.8	2.7	.4	.3	.0						6.7	7.0
SSE	.0	1.1	1.7	1.1	.3	.1						4.9	9.0
S	.9	1.7	3.3	2.4	.5	.2						9.0	9.4
SSW	.3	1.0	2.7	2.5	.4	.0						6.8	10.1
SW	.7	1.8	2.7	1.5	.1	.1						6.9	8.5
WSW	.4	1.4	2.2	1.7	.4	.2	.0					6.4	10.0
W	.0	2.2	3.0	1.3	.3	.2						7.8	8.2
WNW	.2	1.2	3.2	2.6	.5	.1						8.1	9.9
NW	1.0	2.0	4.9	2.1	.3	.1						10.4	8.8
NNW	.4	.7	1.9	1.1	.2							4.3	9.3
VARBL													
CALM												8.2	
	9.3	20.1	35.9	21.2	4.1	1.1	.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

2511

DATA PROCESSING DIVISION  
PTAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHATHAM AFB ILLINOIS/RANTOUL  
STATION NAME

30-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.6	1.3	.1							4.9	8.4
NNE	.4	.9	1.0	.6	.1							3.0	7.7
NE	.4	.7	1.3	.8	.3	.1						3.6	9.6
ENE	.4	.7	.6	.5	.2	.0						2.4	8.8
E	.6	1.1	1.4	.4	.0							3.5	7.0
ESE	.4	.8	1.1	.4	.1							2.8	7.5
SE	1.2	1.3	2.0	.6	.1	.1						5.6	7.6
SSE	.4	1.6	2.8	1.2	.3	.1	.1					6.6	9.2
S	.9	2.2	3.8	1.8	.7	.1						9.6	9.0
SSW	.4	.8	2.5	2.7	.5	.1						7.0	10.5
SW	.7	2.0	2.7	1.7	.4							7.5	8.6
WSW	.4	1.3	2.2	1.4	.4	.2						5.9	9.7
W	.9	1.8	3.4	1.8	.3	.3						8.6	9.1
WNW	.5	1.6	3.8	2.4	.5	.0						8.8	9.6
NW	.6	1.3	4.1	2.2	.1	.0						8.3	9.1
NNW	.4	1.2	1.8	1.4	.2	.1						5.1	9.3
VARBL													
CALM												6.8	
	9.2	20.6	36.3	21.5	4.3	1.3	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 3099

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANDLER AFB ILLINOIS/RANTHUL  
STATION NAME

36-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	1.4	1.0	.2							3.9	9.0
NNE	.3	1.0	1.0	.9	.1							3.2	8.6
NE	.2	.8	1.0	.9	.3	.1						3.5	9.5
ENE	.2	.6	1.1	.5	.1	.1						2.7	8.9
E	.2	.7	1.3	.6								2.8	8.2
ESE	.2	.4	1.4	.5	.1	.0						2.6	9.1
SE	.2	.6	2.5	1.4	.3	.1						5.1	10.0
SSE	.3	1.3	2.6	2.5	.5	.1	.1		.0			7.6	10.4
S	.4	1.4	3.4	4.0	1.2	.4	.0					10.8	11.5
SSW	.4	1.2	2.5	3.4	1.0	.3						8.9	11.3
SW	.4	.8	2.6	2.2	.7	.3						7.0	10.9
WSW	.4	.8	2.6	2.1	.7	.3	.1					6.9	11.2
W	.4	1.4	3.6	3.1	.6	.2	.1					9.4	10.7
WNW	.2	1.2	3.6	3.6	1.0	.2						9.8	11.2
NW	.4	.9	2.6	3.5	.3	.0	.0					7.7	10.9
NNW	.3	.9	1.9	1.6	.6							5.2	10.3
VARBL													
CALM												2.9	
	5.4	14.8	35.0	31.8	7.7	2.0	.3		.0			106.0	10.2

TOTAL NUMBER OF OBSERVATIONS

3200



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHANUTE AFB ILLINOIS/RANTUL  
STATION NAME

36-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	1.4	1.3	.2		.1					3.7	10.4
NNE	.1	.5	1.0	.9	.3							2.8	10.2
NE	.5	.5	.8	.6	.3							2.7	9.1
ENE	.2	.3	1.3	.6	.1							2.4	9.1
E	.2	.6	.8	.7	.1							2.4	9.2
ESE	.2	.3	.8	.7	.1							2.1	9.5
SE	.4	.5	2.2	1.5	.2	.1						4.9	10.1
SSE	.4	.9	1.9	2.5	.6	.1						6.4	10.9
S	.5	1.2	3.0	4.9	1.2	.5	.1					11.5	12.0
SSW	.4	1.1	3.1	3.4	1.2	.2	.1					9.5	11.6
SW	.2	1.0	3.1	2.4	1.2	.1	.0	.0				8.2	11.4
WSW	.4	1.1	2.7	2.7	.7	.4	.1					8.1	11.3
W	.5	1.0	3.7	3.3	.9	.5						9.8	11.3
WNW	.4	1.2	3.5	4.1	1.5	.1						10.8	11.5
NW	.2	.7	3.4	2.9	.6	.2						8.0	11.0
NNW	.5	.7	1.7	1.7	.6							5.0	10.5
VARBL													
CALM												1.9	
	5.3	11.8	34.5	34.2	9.8	2.1	.3	.0				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 3250

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806  
STATION

CHALGATE AFB ILLINOIS/RANTHUL  
STATION NAME

66-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.8	1.8	1.4	.3	.1						4.9	9.6
NNE	.2	.4	.7	.7	.1	.0						2.2	9.7
NE	.3	.9	1.2	.4	.2							2.9	7.8
ENE	.6	.6	.9	.5	.1							2.6	7.7
E	.5	.9	1.5	.6	.1							3.6	7.6
ESE	.2	.8	1.2	.6	.1	.0						2.8	5.6
SE	.5	1.4	2.2	.9	.2	.0						5.1	8.2
SSE	.9	1.3	3.0	1.6	.5	.1						6.8	9.8
S	.9	2.1	4.2	2.6	.9	.2	.1					11.2	10.0
SSW	.6	1.2	2.7	2.2	.6	.1						7.3	9.9
SW	.7	1.5	3.0	1.2	.3	.1	.1	.0				6.9	8.9
WSW	.5	1.0	2.8	1.6	.5	.3						6.7	10.3
W	.7	1.8	4.2	2.9	.7	.4	.0	.0				10.8	10.3
WNW	.5	1.5	3.2	3.6	.6	.1						9.4	10.3
NW	.5	1.1	3.3	2.6	.4	.1						8.1	9.9
NNW	.3	.9	2.2	1.4	.4	.1						5.2	9.8
VARBL													
CALM												3.6	
	7.7	18.1	38.1	24.9	5.0	1.6	.2	.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

3254

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14806 STATION CHANUTE AFB ILLINOIS/RANTJUL 36-70 YEARS LFC MONTH 1800-2000 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	2.2	1.1	.2	.0	.0					5.1	8.6
NNE	.5	.5	1.0	.6	.1							2.7	8.5
NE	.5	1.0	1.2	.4	.1							3.3	7.1
ENE	.5	.5	.9	.3	.1							2.6	7.3
E	.5	1.2	1.7	.6	.0							4.1	7.4
ESE	.4	.5	1.2	.7	.1	.1						3.2	8.5
SE	.5	1.2	2.1	1.5	.1	.2						5.5	9.0
SSE	.5	1.7	3.0	1.6	.3	.1						7.2	9.2
S	.8	2.3	3.5	2.9	.6	.2						10.3	9.5
SSW	.4	1.1	1.4	2.3	.5	.1	.0					5.8	10.3
SW	.9	1.8	2.9	1.2	.2		.1					7.1	8.2
WSW	.5	1.4	1.8	.7	.2	.1	.1					4.9	8.9
W	.6	2.5	3.9	2.4	.5	.3	.0	.0				10.2	9.4
WNW	.5	1.5	3.2	2.7	.5	.1						8.5	9.8
NW	.8	1.8	3.1	1.6	.6							8.0	8.9
NNW	.4	1.0	2.2	.9	.4	.2						5.1	9.5
VARBL													
CALM												6.9	
	9.0	21.5	35.3	21.5	4.5	1.3	.3	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 3239

DATA PROCESSING DIVISION  
ETAG/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

14806  
STATION

CHANDLER AFB ILLINOIS/RANDOLPH  
STATION NAME

36-70  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	2.0	1.1	.2	.1						5.5	8.2
NNE	.5	.4	.9	.4	.1							2.2	7.7
NE	.4	.8	1.3	.7	.0							3.3	8.0
ENE	.3	.7	.0	.4	.1							2.0	7.0
E	.0	1.0	1.9	.4								4.3	7.4
ESE	.4	.7	1.2	.2	.1							2.7	7.7
SE	.8	1.3	2.0	1.2	.2	.1	.0					5.6	8.4
SSE	.9	1.1	2.2	1.6	.4	.1						6.3	9.1
S	.6	1.3	3.5	3.0	.7	.2						10.0	9.9
SSW	.7	1.0	2.2	2.0	.3	.1						6.3	9.7
SW	.0	1.5	3.1	1.8	.3	.1						7.4	9.0
WSW	.5	1.3	2.0	1.3	.2	.2	.1					5.6	9.8
W	.7	2.2	3.5	1.5	.9	.1	.1					9.0	9.2
WNW	.5	1.3	3.4	2.8	.4	.1	.0					8.5	10.0
NW	.0	1.6	3.9	2.0	.5	.1						8.7	9.4
NNW	.4	1.0	2.4	1.3	.3	.0						5.5	9.2
VARBL													
CALM												7.2	
	9.1	19.4	36.1	22.0	4.7	1.3	.2					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

3223

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14806 STATION CHAMOTE AFB ILLINOIS/RANTHUL 36-70 YEARS ALL NORTH ALL HOURS (L.S.T.)

INSTRUMENT  
CLASS  
CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,  
CONDITION  
AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	2.8	2.5	.7	.2	.0	.0				8.0	10.6
NNE	.4	1.0	2.5	2.1	.5	.1	.0	.0				6.6	10.4
NE	.6	1.1	2.8	1.8	.6	.2	.0	.0				7.7	10.4
ENE	.4	.8	1.7	1.3	.5	.1	.0					4.8	10.2
E	.5	1.1	2.0	1.1	.3	.0	.0					5.0	8.9
ESE	.3	.6	1.3	.9	.1	.0						3.3	9.2
SE	.5	1.0	2.0	1.3	.4	.1	.0	.0				5.4	9.6
SSE	.4	.9	1.6	1.5	.4	.1	.0	.0	.0			5.2	10.3
S	.6	1.3	2.6	2.1	.7	.3	.1	.0				7.7	10.6
SSW	.3	.6	1.7	1.5	.4	.1	.0	.0				4.7	10.7
SW	.4	.7	1.8	1.3	.4	.3	.1	.0	.0			5.0	10.6
WSW	.3	.6	1.3	1.2	.5	.3	.1	.0				4.4	11.8
W	.5	.9	2.2	1.9	.8	.4	.1	.0	.0			6.8	11.4
WNW	.3	.9	2.3	2.3	.7	.2	.0					6.5	11.1
NW	.5	1.1	2.7	2.2	.7	.2	.0	.0				7.5	10.5
NNW	.3	1.0	2.5	2.2	.6	.1	.0	.0				6.7	10.6
VARBL													
CALM												5.7	
	7.1	14.9	34.0	27.1	8.4	2.7	.6	.1	.0			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 39415

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO. OF LOGS																
1500					91.0										92.6	
1000																
500																
0					95.4		96.9			98.3					100.0	

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour group; it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRAND AFB ILLINOIS/RANTHOL  
STATION NAME

36-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	42.7	42.7	45.1	44.8	48.1	48.3	48.0	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.5
≥ 20000	43.9	49.3	52.2	54.3	55.7	56.0	56.6	56.8	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.4
≥ 18000	44.0	49.3	52.4	54.5	55.9	56.2	56.8	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.5	57.6
≥ 16000	44.1	49.7	52.6	54.7	56.1	56.5	57.0	57.3	57.3	57.5	57.6	57.6	57.7	57.7	57.7	57.8
≥ 14000	44.6	50.5	53.5	55.6	57.1	57.4	58.0	58.3	58.3	58.5	58.6	58.6	58.7	58.7	58.7	58.8
≥ 12000	45.5	52.1	55.2	57.4	59.0	59.3	59.9	60.2	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.7
≥ 10000	46.9	54.5	57.7	60.1	61.7	62.1	62.7	63.0	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.5
≥ 9000	47.4	55.3	58.6	61.0	62.7	63.0	63.7	64.0	64.0	64.2	64.3	64.3	64.4	64.4	64.4	64.5
≥ 8000	48.4	57.2	60.7	63.2	64.9	65.3	66.0	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.8	66.9
≥ 7000	49.2	58.7	62.3	64.9	66.6	67.2	67.8	68.2	68.2	68.4	68.5	68.5	68.6	68.6	68.7	68.8
≥ 6000	49.8	60.0	63.8	66.5	68.4	68.8	69.5	69.9	69.9	70.2	70.2	70.2	70.3	70.3	70.4	70.5
≥ 5000	40.7	61.8	65.7	68.5	70.6	71.0	71.8	72.1	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.7
≥ 4500	41.2	62.5	66.6	69.5	71.5	72.0	72.7	73.1	73.2	73.4	73.5	73.5	73.6	73.6	73.6	73.7
≥ 4000	42.1	64.3	68.5	71.8	73.8	74.1	75.0	75.3	75.4	75.7	75.7	75.8	75.8	75.8	75.9	76.0
≥ 3500	42.6	65.6	69.9	73.0	75.2	75.7	76.6	77.0	77.1	77.3	77.4	77.4	77.5	77.5	77.6	77.7
≥ 3000	43.7	67.4	71.9	75.2	77.5	78.0	78.9	79.4	79.4	79.7	79.8	79.8	79.9	79.9	80.0	80.1
≥ 2500	44.5	69.0	73.7	77.1	79.8	80.2	81.1	81.5	81.6	82.0	82.1	82.1	82.1	82.2	82.2	82.3
≥ 2000	45.3	70.9	75.6	79.5	82.1	82.7	83.8	84.3	84.4	84.7	84.8	84.8	84.9	84.9	85.0	85.1
≥ 1800	45.5	71.3	76.3	80.0	82.6	83.3	84.5	85.0	85.1	85.4	85.5	85.5	85.6	85.7	85.7	85.8
≥ 1500	45.8	72.4	77.7	81.6	84.5	85.1	86.3	86.9	87.0	87.4	87.5	87.5	87.6	87.6	87.7	87.8
≥ 1200	46.1	73.4	78.9	83.0	86.1	86.8	88.1	88.8	88.9	89.3	89.5	89.5	89.6	89.6	89.6	89.8
≥ 1000	46.3	74.1	79.8	84.1	87.5	88.2	89.7	90.4	90.5	91.1	91.2	91.3	91.4	91.4	91.5	91.6
≥ 900	46.3	74.3	80.1	84.5	88.0	88.7	90.3	91.1	91.2	91.8	91.9	92.0	92.1	92.1	92.2	92.3
≥ 800	46.3	74.6	80.3	85.0	88.6	89.4	91.1	92.0	92.1	92.7	93.0	93.1	93.1	93.1	93.2	93.3
≥ 700	46.4	74.7	80.7	85.4	89.1	90.0	91.8	92.7	92.9	93.6	93.8	93.8	94.0	94.0	94.1	94.2
≥ 600	46.4	74.9	80.9	85.7	89.6	90.5	92.3	93.3	93.7	94.5	94.8	94.8	95.0	95.0	95.1	95.2
≥ 500	46.4	75.0	81.1	86.0	90.0	91.0	93.1	94.4	94.6	95.5	95.8	95.8	96.1	96.1	96.2	96.3
≥ 400	46.4	75.0	81.2	86.1	90.3	91.3	93.6	95.0	95.2	96.3	96.7	96.8	97.0	97.1	97.2	97.3
≥ 300	46.4	75.0	81.2	86.2	90.4	91.4	93.8	95.3	95.6	96.9	97.4	97.5	97.8	97.9	98.0	98.2
≥ 200	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.1	97.8	97.9	98.4	98.5	98.7	90.9
≥ 100	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.2	97.9	98.0	98.6	98.7	99.0	99.4
≥ 0	46.4	75.0	81.2	86.2	90.4	91.5	93.9	95.5	95.8	97.2	98.0	98.1	98.6	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 28304

USAF ETAC FORM 0-14-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAG

## CEILING VERSUS VISIBILITY

14805  
STATION

CHRYSLER AFB ILLINOIS/KOHLER  
STATION NAME

47-70  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	10.1	31.2	34.1	16.1	33.0	34.4	39.0	39.3	39.4	39.6	39.7	39.7	39.8	39.8	39.9	39.9
≥ 18000	19.9	35.3	38.9	41.5	43.8	44.3	49.0	45.4	45.5	45.7	45.9	45.9	45.9	46.0	46.0	46.2
≥ 16000	20.0	35.3	39.3	41.4	44.3	44.8	45.6	46.0	46.0	46.3	46.4	46.4	46.5	46.5	46.6	46.7
≥ 14000	20.3	36.6	40.2	42.7	45.4	45.9	46.7	47.1	47.2	47.5	47.6	47.6	47.7	47.7	47.7	47.9
≥ 12000	20.9	37.7	41.5	44.4	46.9	47.5	48.3	48.7	48.8	49.1	49.2	49.2	49.3	49.3	49.4	49.5
≥ 10000	21.4	39.6	43.5	46.6	49.3	49.8	50.7	51.1	51.2	51.5	51.6	51.6	51.7	51.7	51.8	51.9
≥ 9000	22.1	40.1	44.2	47.3	50.0	50.6	51.5	51.9	52.0	52.3	52.4	52.4	52.5	52.5	52.6	52.7
≥ 8000	22.6	41.4	45.6	48.9	51.7	52.3	53.3	53.7	53.8	54.1	54.2	54.3	54.3	54.3	54.4	54.5
≥ 7000	23.0	42.9	46.7	50.1	53.0	53.7	54.7	55.2	55.3	55.6	55.8	55.9	55.9	56.0	56.1	56.1
≥ 6000	23.2	43.1	47.5	51.1	54.1	54.9	55.9	56.5	56.6	56.9	57.0	57.3	57.3	57.3	57.2	57.3
≥ 5000	23.6	44.0	48.6	52.3	55.4	56.3	57.3	57.9	58.0	58.3	58.5	58.5	58.5	58.5	58.6	58.8
≥ 4500	23.7	44.4	48.9	52.7	55.9	56.7	57.8	58.4	58.5	58.8	59.0	59.0	59.0	59.1	59.1	59.3
≥ 4000	23.9	45.1	49.8	53.9	57.1	58.0	59.1	59.7	59.9	60.2	60.4	60.4	60.5	60.5	60.6	60.7
≥ 3500	24.2	45.9	50.6	54.8	58.3	59.2	60.4	61.0	61.1	61.5	61.7	61.7	61.8	61.8	61.9	62.0
≥ 3000	24.7	47.3	52.4	56.6	60.3	61.2	62.5	63.2	63.3	63.7	63.9	63.9	64.0	64.0	64.1	64.2
≥ 2500	25.2	48.9	54.2	58.7	62.7	63.6	65.0	65.7	65.9	66.4	66.5	66.6	66.7	66.7	66.7	66.9
≥ 2000	25.8	50.9	56.6	61.5	65.8	66.8	68.3	69.2	69.3	69.9	70.1	70.2	70.3	70.3	70.4	70.5
≥ 1800	25.9	51.4	57.2	62.2	66.6	67.7	69.3	70.2	70.4	71.0	71.2	71.2	71.4	71.4	71.4	71.6
≥ 1500	26.2	53.1	59.2	64.5	69.3	70.5	72.3	73.3	73.5	74.2	74.5	74.5	74.6	74.6	74.7	74.6
≥ 1200	26.5	54.4	61.0	66.6	71.9	73.2	75.3	76.5	76.7	77.5	77.8	77.8	78.0	78.0	78.1	78.2
≥ 1000	26.6	55.4	62.3	68.4	74.1	75.5	77.8	79.2	79.4	80.5	80.9	80.9	81.1	81.1	81.2	81.4
≥ 900	26.7	55.3	62.8	69.1	75.0	76.4	78.9	80.4	80.7	81.8	82.2	82.2	82.5	82.5	82.6	82.8
≥ 800	26.7	56.2	63.3	69.8	76.0	77.5	80.3	82.0	82.3	83.6	84.1	84.1	84.4	84.4	84.5	84.7
≥ 700	26.7	56.3	63.7	70.3	76.8	78.4	81.5	83.4	83.7	85.1	85.8	85.8	86.1	86.1	86.3	86.4
≥ 600	26.8	56.5	63.9	70.6	77.5	79.2	82.7	84.8	85.2	86.8	87.5	87.5	88.0	88.0	88.1	88.2
≥ 500	26.8	56.6	64.1	71.0	78.1	80.0	83.8	86.2	86.6	88.5	89.4	89.5	89.9	90.0	90.1	90.3
≥ 400	26.8	56.6	64.2	71.2	78.5	80.5	84.6	87.3	87.8	90.1	91.3	91.3	91.9	92.0	92.2	92.5
≥ 300	26.8	56.6	64.3	71.3	78.7	80.7	85.0	87.9	88.5	91.3	92.8	92.9	93.6	93.7	94.0	94.3
≥ 200	26.8	56.6	64.3	71.3	78.7	80.7	85.1	88.2	88.8	91.9	93.8	93.9	95.1	95.2	95.8	96.2
≥ 100	26.8	56.6	64.3	71.3	78.7	80.8	85.1	88.3	88.9	92.1	94.1	94.3	95.8	96.0	97.0	97.9
≥ 0	26.8	56.6	64.3	71.3	78.7	80.8	85.1	88.3	88.9	92.2	94.2	94.4	95.9	96.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 23870

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

14805 CHANUTE AFB ILLINOIS/CAUTION

47-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1151

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.7	34.2	36.8	39.0	40.5	40.8	41.4	41.7	41.8	42.0	42.0	42.0	42.1	42.1	42.2
≥ 20000	23.5	38.2	41.4	44.1	46.0	46.4	47.2	47.6	47.7	47.9	47.9	47.9	48.0	48.0	48.1
≥ 18000	23.7	38.4	41.6	44.3	46.2	46.6	47.4	47.8	47.9	48.1	48.1	48.1	48.2	48.2	48.3
≥ 16000	23.8	38.6	41.8	44.5	46.3	46.9	47.7	48.1	48.2	48.4	48.4	48.5	48.5	48.5	48.6
≥ 14000	23.9	39.1	42.5	45.3	47.3	47.7	48.5	48.9	49.0	49.2	49.3	49.3	49.3	49.4	49.5
≥ 12000	24.4	40.3	43.7	46.6	48.7	49.1	49.9	50.4	50.5	50.7	50.7	50.7	50.8	50.8	50.9
≥ 10000	25.2	41.8	45.4	48.5	50.7	51.2	52.1	52.5	52.6	52.8	52.9	52.9	53.0	53.0	53.1
≥ 9000	25.7	42.6	46.2	49.4	51.6	52.1	53.0	53.5	53.6	53.8	53.9	53.9	54.0	54.0	54.1
≥ 8000	26.4	44.4	48.3	51.6	54.0	54.6	55.5	56.0	56.1	56.3	56.4	56.4	56.5	56.5	56.6
≥ 7000	26.9	45.7	49.6	53.2	55.7	56.3	57.3	57.9	58.0	58.2	58.2	58.3	58.4	58.4	58.5
≥ 6000	27.2	46.7	50.8	54.6	57.1	57.8	58.9	59.5	59.6	59.8	59.9	59.9	60.0	60.0	60.1
≥ 5000	27.6	47.9	52.4	56.2	58.8	59.5	60.7	61.3	61.4	61.7	61.7	61.7	61.8	61.8	62.0
≥ 4500	27.8	48.4	53.0	56.9	59.6	60.3	61.5	62.1	62.2	62.5	62.6	62.6	62.7	62.7	62.8
≥ 4000	28.1	49.3	54.3	58.4	61.2	62.0	63.3	63.9	64.0	64.4	64.4	64.5	64.5	64.5	64.7
≥ 3500	28.5	50.3	55.4	59.6	62.6	63.4	64.7	65.4	65.6	65.9	66.0	66.0	66.1	66.1	66.2
≥ 3000	29.3	51.8	56.9	61.3	64.5	65.3	66.7	67.5	67.6	68.0	68.1	68.1	68.2	68.3	68.7
≥ 2500	29.7	53.6	59.0	63.7	67.1	68.0	69.6	70.5	70.6	71.0	71.1	71.1	71.2	71.3	71.4
≥ 2000	30.4	56.1	62.0	67.1	70.9	71.9	73.7	74.7	74.9	75.4	75.5	75.6	75.7	75.7	75.8
≥ 1800	30.5	56.4	62.8	68.0	71.8	72.9	74.8	75.8	76.0	76.6	76.7	76.7	76.9	76.9	77.0
≥ 1500	30.9	58.2	64.5	70.1	74.2	75.4	77.5	78.6	78.8	79.5	79.7	79.7	79.9	79.9	80.0
≥ 1200	31.2	59.5	66.3	72.2	76.7	78.0	80.3	81.6	81.9	82.6	82.8	82.9	83.1	83.1	83.2
≥ 1000	31.3	60.2	67.4	73.7	78.6	79.9	82.5	84.0	84.3	85.4	85.6	85.7	85.9	85.9	86.1
≥ 900	31.4	60.3	67.7	74.1	79.2	80.6	83.4	85.0	85.3	86.4	86.7	86.7	87.0	87.0	87.1
≥ 800	31.4	60.7	68.1	74.6	79.9	81.4	84.4	86.2	86.5	87.8	88.1	88.2	88.5	88.5	88.6
≥ 700	31.4	60.8	68.3	74.9	80.5	82.1	85.3	87.2	87.5	88.9	89.3	89.4	89.7	89.7	89.9
≥ 600	31.4	60.9	68.5	75.3	80.9	82.6	86.0	88.2	88.7	90.2	90.7	90.8	91.2	91.2	91.3
≥ 500	31.4	61.0	68.7	75.5	81.3	83.1	86.8	89.3	89.8	91.7	92.3	92.4	92.9	92.9	93.1
≥ 400	31.4	61.1	68.7	75.6	81.5	83.3	87.2	90.0	90.6	92.7	93.0	93.7	94.3	94.3	94.4
≥ 300	31.4	61.1	68.8	75.6	81.6	83.5	87.4	90.3	91.0	91.4	94.5	94.7	95.5	95.6	95.8
≥ 200	31.4	61.1	68.8	75.7	81.7	83.5	87.5	90.5	91.2	91.9	95.2	95.5	96.5	96.7	97.1
≥ 100	31.4	61.1	68.8	75.7	81.7	83.5	87.6	90.6	91.3	94.1	95.5	95.8	97.1	97.3	98.1
≥ 0	31.4	61.1	68.8	75.7	81.7	83.5	87.6	90.6	91.3	94.1	95.6	95.9	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 21724

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RAVING  
STATION NAME

17-70  
YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	23.2	34.9	37.1	38.5	39.7	40.0	40.4	40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	41.0
≥ 20000	20.3	40.2	42.0	44.6	45.8	46.2	46.7	47.0	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.4
IV 18000	26.5	40.5	43.1	45.0	46.2	46.6	47.1	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.7	47.8
IV 16000	26.6	40.7	43.4	45.2	46.4	46.8	47.3	47.6	47.7	47.8	47.8	47.8	47.8	47.9	47.9	48.0
IV 14000	27.0	41.3	44.0	45.9	47.2	47.6	48.1	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.8
IV 12000	27.0	42.8	45.6	47.7	49.0	49.4	49.9	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.6
IV 10000	29.1	45.0	47.9	50.0	51.3	51.7	52.3	52.6	52.6	52.8	52.8	52.8	52.8	52.9	52.9	53.0
IV 9000	29.5	45.7	48.4	50.9	52.3	52.7	53.3	53.6	53.6	53.8	53.8	53.8	53.8	53.9	53.9	54.0
IV 8000	30.7	47.8	51.0	53.3	54.7	55.2	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5
IV 7000	31.4	49.3	52.7	55.1	56.7	57.1	57.7	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.5	58.6
IV 6000	32.0	50.7	54.3	56.9	58.6	59.1	59.7	60.2	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.6
IV 5000	32.6	52.3	56.4	59.2	61.0	61.5	62.2	62.7	62.7	62.9	62.9	62.9	62.9	63.0	63.0	63.1
IV 4500	33.2	53.4	57.3	60.1	62.0	62.6	63.3	63.7	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2
IV 4000	33.9	55.1	59.3	62.3	64.2	64.8	65.6	66.0	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.6
IV 3500	34.6	56.5	60.9	64.0	66.1	66.7	67.5	68.0	68.0	68.3	68.3	68.3	68.3	68.4	68.4	68.5
IV 3000	36.3	59.1	63.8	67.1	69.3	69.9	70.9	71.4	71.4	71.7	71.8	71.8	71.8	71.8	71.9	72.0
IV 2500	37.1	62.0	66.9	70.5	72.6	73.5	74.5	75.1	75.1	75.4	75.5	75.5	75.5	75.6	75.6	75.8
IV 2000	38.2	64.7	70.0	74.0	76.7	77.4	78.5	79.2	79.3	79.6	79.7	79.7	79.7	79.8	79.8	79.9
IV 1800	38.3	65.3	70.7	74.7	77.5	78.3	79.3	80.2	80.3	80.6	80.7	80.7	80.7	80.8	80.8	80.9
IV 1500	38.6	66.7	72.4	76.7	79.7	80.5	81.9	82.7	82.8	83.2	83.3	83.3	83.3	83.4	83.4	83.5
IV 1200	39.0	67.9	73.9	78.6	81.9	82.7	84.2	85.1	85.3	85.7	85.8	85.8	85.8	85.9	85.9	86.0
IV 1000	39.0	68.4	74.8	79.8	83.5	84.4	86.1	87.2	87.4	87.9	88.1	88.1	88.1	88.2	88.3	88.4
IV 900	39.1	68.6	75.1	80.2	84.1	85.1	86.9	88.0	88.2	88.8	89.0	89.1	89.1	89.2	89.2	89.4
IV 800	39.1	68.9	75.5	80.7	84.8	85.8	87.9	89.1	89.3	90.0	90.3	90.3	90.3	90.5	90.5	90.7
IV 700	39.1	69.0	75.7	81.1	85.3	86.5	88.6	90.0	90.2	91.1	91.4	91.5	91.5	91.7	91.7	91.9
IV 600	39.2	69.2	76.0	81.5	85.9	87.2	89.6	91.1	91.4	92.4	92.8	92.9	92.9	93.1	93.2	93.3
IV 500	39.2	69.3	76.2	81.8	86.5	87.9	90.5	92.3	92.6	93.9	94.4	94.5	94.5	94.8	94.9	95.0
IV 400	39.2	69.4	76.4	82.0	86.8	88.3	91.1	93.0	93.4	94.9	95.6	95.7	95.7	96.0	96.2	96.3
IV 300	39.2	69.4	76.3	82.0	86.9	88.4	91.3	93.5	94.0	95.8	96.7	96.9	96.9	97.3	97.3	97.5
IV 200	39.2	69.4	76.3	82.0	86.9	88.4	91.4	93.7	94.2	94.2	97.3	97.3	97.3	98.1	98.2	98.4
IV 100	39.2	69.4	76.3	82.0	86.9	88.4	91.5	93.7	94.2	96.2	97.4	97.5	97.5	98.4	98.6	98.9
IV 0	39.2	69.4	76.3	82.0	86.9	88.4	91.5	93.7	94.2	96.3	97.5	97.7	97.7	98.4	98.7	99.1

TOTAL NUMBER OF OBSERVATIONS 23801

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/LAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANGE OF ILLINOIS/RANTON  
STATION NAME

37-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	10.1	38.7	40.1	41.2	41.7	41.7	41.9	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.7
≥ 20000	15.4	46.1	48.0	49.3	49.9	49.9	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4
≥ 18000	25.4	46.4	48.3	49.5	50.1	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7
≥ 16000	25.7	46.6	48.5	49.8	50.4	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0
≥ 14000	26.4	47.0	49.0	50.3	51.3	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.1	52.1
≥ 12000	27.4	49.1	51.1	52.4	53.1	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 10000	29.1	51.7	53.6	55.2	55.9	56.0	56.2	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5
≥ 9000	29.8	52.5	55.0	56.5	57.2	57.3	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.8	57.8	57.8
≥ 8000	41.2	55.2	57.5	59.3	59.9	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.5
≥ 7000	42.2	57.2	59.7	61.3	62.2	62.3	62.5	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
≥ 6000	43.3	59.2	62.0	63.7	64.7	64.8	65.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 5000	44.5	62.1	65.1	67.1	68.1	68.3	68.6	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 4500	45.0	63.4	66.3	68.5	69.7	69.8	70.1	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 4000	47.2	66.0	69.2	71.5	72.7	72.9	73.3	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 3500	48.5	68.2	71.6	73.9	75.2	75.4	75.8	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3
≥ 3000	50.2	70.9	74.6	77.0	78.5	78.7	79.1	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 2500	51.3	73.0	76.9	79.4	81.0	81.2	81.7	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3
≥ 2000	52.5	75.5	79.7	82.4	84.1	84.4	85.0	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.6	85.6
≥ 1800	52.9	76.2	80.3	83.2	84.9	85.2	85.8	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.4
≥ 1500	53.4	77.6	82.0	84.9	86.8	87.1	87.8	88.1	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.5
≥ 1200	53.8	78.8	83.4	86.6	88.6	88.9	89.7	90.0	90.1	90.3	90.4	90.4	90.4	90.5	90.5	90.5
≥ 1000	54.1	79.5	84.4	87.8	90.1	90.5	91.4	91.8	91.8	92.1	92.2	92.2	92.2	92.3	92.3	92.3
≥ 900	54.1	79.8	84.9	88.4	90.8	91.2	92.2	92.6	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1
≥ 800	54.2	80.2	85.4	89.0	91.7	92.1	93.3	93.8	93.8	94.2	94.3	94.3	94.3	94.3	94.4	94.4
≥ 700	54.3	80.5	85.8	89.6	92.3	92.8	94.1	94.7	94.8	95.2	95.3	95.3	95.3	95.3	95.4	95.4
≥ 600	54.3	80.6	86.0	89.9	92.9	93.5	94.9	95.7	95.8	96.2	96.4	96.4	96.4	96.4	96.5	96.5
≥ 500	54.3	80.7	86.2	90.2	93.4	94.1	95.8	96.7	96.8	97.4	97.6	97.6	97.7	97.7	97.8	97.8
≥ 400	54.3	80.9	86.3	90.4	93.8	94.5	96.3	97.4	97.5	98.3	98.5	98.5	98.6	98.6	98.7	98.7
≥ 300	54.3	80.8	86.4	90.5	93.9	94.7	96.6	97.8	98.0	98.9	99.1	99.1	99.3	99.4	99.4	99.4
≥ 200	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.3	99.3	99.6	99.6	99.7	99.7
≥ 100	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.4	99.4	99.7	99.7	99.8	99.8
≥ 0	54.3	80.8	86.4	90.5	94.0	94.7	96.7	97.9	98.1	99.0	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

23049

USAF ETAC FORM 0-14-5 (CL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AFB ILLINOIS/KANTUHL

27-79

YEARS

PAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

LL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	46.1	44.1	43.3	45.9	46.4	46.5	46.7	46.6	46.6	46.5	46.9	46.9	46.9	46.9	47.0	47.0
≥ 18000	42.9	53.3	54.4	55.6	50.4	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.9
≥ 16000	43.0	53.5	55.0	55.8	50.4	56.5	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.1
≥ 14000	43.6	54.5	56.0	56.9	57.4	57.5	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.1
≥ 12000	44.7	56.2	57.8	58.7	59.2	59.3	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.9	59.9	60.0
≥ 10000	46.8	58.9	60.6	61.5	62.4	62.3	62.5	62.6	62.7	62.7	62.8	62.8	62.8	62.9	62.9	63.0
≥ 9000	47.5	60.0	61.7	62.7	63.4	63.5	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.1	64.1	64.2
≥ 8000	49.1	62.6	64.5	65.0	66.4	66.4	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.1
≥ 7000	50.4	64.8	66.8	68.0	68.7	68.8	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.5	69.5	69.6
≥ 6000	51.7	66.8	68.9	70.2	70.9	71.1	71.4	71.5	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9
≥ 5000	53.1	69.4	71.7	73.1	74.0	74.2	74.5	74.7	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.0
≥ 4500	53.8	70.5	72.8	74.4	75.3	75.4	75.8	75.9	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.3
≥ 4000	55.4	73.1	75.6	77.3	78.3	78.5	78.9	79.0	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.4
≥ 3500	56.5	74.8	77.4	79.2	80.2	80.4	80.6	81.0	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.4
≥ 3000	57.9	77.0	79.9	81.7	82.9	83.2	83.6	83.8	83.8	84.0	84.0	84.0	84.1	84.1	84.1	84.2
≥ 2500	58.5	78.8	81.8	83.7	85.0	85.3	85.8	86.0	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.4
≥ 2000	60.0	80.8	84.0	86.0	87.5	87.7	88.3	88.5	88.5	88.7	88.8	88.8	88.8	88.9	88.9	89.0
≥ 1800	60.7	81.2	84.5	86.5	88.7	88.8	89.0	89.0	89.1	89.3	89.4	89.4	89.4	89.4	89.5	89.6
≥ 1500	60.7	82.4	85.7	88.0	89.5	89.8	90.4	90.7	90.8	91.0	91.0	91.0	91.1	91.1	91.2	91.3
≥ 1200	61.0	83.3	86.8	89.3	91.0	91.3	91.9	92.2	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.8
≥ 1000	61.2	84.1	87.8	90.4	92.3	92.6	93.3	93.7	93.8	94.0	94.1	94.1	94.2	94.2	94.3	94.4
≥ 900	61.2	84.4	88.2	90.8	92.7	93.1	93.8	94.2	94.3	94.6	94.7	94.7	94.8	94.8	94.9	95.0
≥ 800	61.3	84.7	88.6	91.4	93.4	93.8	94.0	95.1	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.8
≥ 700	61.3	84.9	88.8	91.7	93.9	94.3	95.3	95.8	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.6
≥ 600	61.4	85.0	89.1	92.1	94.4	94.8	95.9	96.5	96.6	97.0	97.2	97.2	97.3	97.3	97.4	97.5
≥ 500	61.4	85.1	89.3	92.4	94.8	95.3	96.5	97.3	97.4	97.9	98.0	98.0	98.2	98.2	98.3	98.4
≥ 400	61.4	85.2	89.4	92.5	95.0	95.6	96.8	97.7	97.8	98.4	98.6	98.6	98.8	98.8	98.9	99.0
≥ 300	61.4	85.2	89.4	92.6	95.1	95.7	97.1	98.0	98.2	98.9	99.1	99.1	99.3	99.3	99.4	99.5
≥ 200	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.5	99.6	99.6	99.7
≥ 100	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.5	99.6	99.7	99.7
≥ 0	61.4	85.2	89.4	92.6	95.2	95.8	97.1	98.1	98.3	99.0	99.2	99.3	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

23629

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KANTHUL

47-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	38.3	47.8	49.1	49.3	30.5	30.6	50.0	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1
≥ 20000	46.4	58.3	60.1	61.1	61.8	61.9	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5
≥ 18000	46.7	58.3	60.3	61.3	62.2	62.3	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9
≥ 16000	46.8	59.1	60.7	61.7	62.4	62.5	62.6	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.2
≥ 14000	47.6	60.1	61.9	62.9	63.6	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3
≥ 12000	49.0	62.3	64.1	65.2	66.0	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.8
≥ 10000	51.0	65.5	67.3	68.7	69.5	69.6	69.9	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.3
≥ 9000	51.7	66.3	68.3	69.7	70.5	70.6	70.9	71.0	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.3
≥ 8000	52.9	68.6	70.7	72.0	72.8	72.9	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6
≥ 7000	53.9	70.4	72.6	73.9	74.7	74.9	75.2	75.3	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.6
≥ 6000	54.9	72.0	74.3	75.7	76.6	76.7	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5
≥ 5000	56.4	74.4	76.9	78.4	79.3	79.5	79.8	80.0	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2
≥ 4500	57.0	75.3	77.9	79.4	80.4	80.5	80.9	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥ 4000	58.6	77.8	80.6	82.1	83.2	83.3	83.7	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.2
≥ 3500	59.4	79.2	82.1	83.9	84.6	85.0	85.4	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9
≥ 3000	60.7	81.4	84.5	86.2	87.4	87.6	87.9	88.1	88.1	88.3	88.3	88.3	88.3	88.4	88.4	88.4
≥ 2500	61.6	83.0	86.2	88.0	89.2	89.4	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.4
≥ 2000	62.3	84.3	87.9	89.8	91.1	91.3	91.8	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.4
≥ 1800	62.5	84.8	88.2	90.2	91.5	91.7	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.8
≥ 1500	62.8	85.7	89.3	91.3	92.8	93.0	93.6	93.8	93.8	94.1	94.1	94.1	94.1	94.2	94.2	94.2
≥ 1200	63.1	86.5	90.2	92.4	93.9	94.2	94.7	95.0	95.0	95.2	95.3	95.3	95.3	95.3	95.4	95.4
≥ 1000	63.3	87.0	90.9	93.2	94.8	95.1	95.8	96.0	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.6
≥ 900	63.4	87.2	91.2	93.5	95.1	95.5	96.1	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.9	96.9
≥ 800	63.4	87.4	91.5	93.9	95.6	95.9	96.6	96.9	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.5
≥ 700	63.4	87.5	91.7	94.1	95.9	96.3	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.9	97.9
≥ 600	63.5	87.6	91.8	94.4	96.2	96.6	97.3	97.8	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4
≥ 500	63.5	87.7	91.9	94.6	96.5	96.9	97.9	98.3	98.3	98.8	98.8	98.9	98.9	98.9	99.0	99.0
≥ 400	63.5	87.7	92.0	94.6	96.6	97.0	98.1	98.6	98.6	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 300	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.4	99.4	99.5	99.5	99.6	99.6
≥ 200	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.6	99.6	99.7	99.7
≥ 100	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.6	99.6	99.7	99.8
≥ 0	63.5	87.7	92.0	94.7	96.6	97.1	98.2	98.7	98.8	99.3	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

22900

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

GRAND RAPIDS ILLINOIS/RAH/TOL  
STATION NAME

38-70  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	58.2	52.4	56.3	57.9	53.7	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
IV 18000	46.3	64.3	67.3	69.1	70.1	70.3	70.7	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
IV 16000	46.4	64.5	67.6	69.3	70.3	70.5	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.4
IV 14000	46.5	64.7	67.7	69.5	70.5	70.7	71.1	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5
IV 12000	47.7	65.9	69.0	70.8	71.6	72.0	72.4	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8
IV 10000	48.5	67.9	71.1	73.0	74.1	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.2
IV 9000	50.2	70.9	74.3	76.3	77.6	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.7
IV 8000	50.7	71.7	75.1	77.2	78.5	78.7	79.1	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.6
IV 7000	51.6	73.4	77.0	79.2	80.4	80.7	81.1	81.3	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.6
IV 6000	52.5	74.8	78.5	80.7	82.0	82.3	82.7	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2
IV 5000	53.2	76.0	79.4	82.1	83.4	83.7	84.1	84.3	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.7
IV 4500	54.1	77.8	81.6	83.9	85.3	85.6	86.1	86.3	86.3	86.4	86.5	86.5	86.5	86.5	86.6	86.6
IV 4000	54.4	78.5	82.4	84.8	86.2	86.5	86.9	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.5
IV 3500	55.9	80.3	84.6	87.0	88.5	88.8	89.3	89.5	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.9
IV 3000	56.6	81.7	85.8	88.3	89.8	90.1	90.6	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2
IV 2500	57.5	83.3	87.5	90.2	91.8	92.1	92.6	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2
IV 2000	58.0	84.3	88.7	91.3	93.0	93.2	93.8	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.4	94.4
IV 1800	58.4	85.1	89.7	92.4	94.1	94.3	94.9	95.2	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.6
IV 1500	58.5	85.3	89.9	92.6	94.3	94.6	95.1	95.4	95.5	95.6	95.7	95.7	95.7	95.7	95.8	95.8
IV 1200	58.7	85.8	90.5	93.2	95.0	95.2	95.9	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.6
IV 1000	58.9	86.2	90.9	93.7	95.6	95.9	96.6	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 900	59.0	86.5	91.4	94.3	96.2	96.5	97.2	97.6	97.6	97.8	97.8	97.8	97.9	97.9	97.9	98.0
IV 800	59.0	86.7	91.6	94.5	96.6	96.9	97.7	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.5	98.5
IV 700	59.0	86.8	91.7	94.7	96.7	97.1	97.9	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.7	98.8
IV 600	59.0	86.9	91.8	94.8	97.0	97.3	98.1	98.6	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 500	59.1	86.9	91.9	95.0	97.1	97.5	98.4	98.8	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4
IV 400	59.1	86.9	92.0	95.0	97.2	97.6	98.5	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.6
IV 300	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 200	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9
IV 100	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9
IV 0	59.1	86.9	92.0	95.0	97.3	97.7	98.6	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 24034

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/AMTILL  
STATION NAME

35-70  
YEARS

ALL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.0	53.5	57.2	59.6	61.0	61.2	61.8	62.1	62.1	62.3	62.4	62.4	62.5	62.5	62.6	62.7
≥ 20000	38.6	61.4	62.6	68.2	68.7	70.0	70.7	71.0	71.1	71.3	71.4	71.4	71.5	71.5	71.6	71.6
≥ 18000	38.8	61.5	62.8	68.4	70.0	70.3	70.9	71.2	71.3	71.5	71.6	71.6	71.7	71.7	71.8	71.9
≥ 16000	38.9	61.8	63.0	68.7	70.2	70.5	71.2	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.1	72.1
≥ 14000	39.5	62.8	64.2	69.9	71.5	71.8	72.5	72.8	72.8	73.1	73.2	73.2	73.3	73.3	73.3	73.4
≥ 12000	40.5	64.9	69.0	72.5	74.2	74.9	75.2	75.5	75.6	75.8	75.9	75.9	76.0	76.0	76.1	76.2
≥ 10000	42.1	67.5	72.4	75.4	77.2	77.5	78.3	78.6	78.6	78.9	79.0	79.0	79.1	79.1	79.2	79.3
≥ 9000	42.5	68.4	73.4	76.4	78.2	78.6	79.3	79.7	79.7	80.0	80.1	80.1	80.2	80.2	80.3	80.3
≥ 8000	43.5	70.4	75.5	78.7	80.5	80.9	81.7	82.0	82.1	82.3	82.4	82.4	82.5	82.5	82.6	82.7
≥ 7000	43.9	71.4	76.7	80.0	81.8	82.2	83.0	83.4	83.4	83.7	83.8	83.8	83.9	83.9	84.0	84.1
≥ 6000	44.4	72.3	77.7	81.0	82.9	83.3	84.2	84.5	84.6	84.8	84.9	85.0	85.1	85.1	85.1	85.2
≥ 5000	45.2	73.9	79.5	82.9	84.9	85.3	86.2	86.5	86.6	86.9	87.0	87.0	87.1	87.1	87.2	87.3
≥ 4500	45.5	74.5	80.2	83.7	85.7	86.0	86.9	87.3	87.4	87.6	87.7	87.7	87.9	87.9	87.9	88.0
≥ 4000	46.5	76.2	82.0	85.6	87.7	88.1	89.0	89.4	89.4	89.7	89.8	89.8	90.0	90.0	90.0	90.1
≥ 3500	46.9	77.0	82.9	86.6	88.7	89.0	90.0	90.4	90.4	90.7	90.8	90.8	91.0	91.0	91.0	91.1
≥ 3000	47.7	78.3	84.3	88.0	90.2	90.6	91.6	92.0	92.0	92.3	92.4	92.4	92.6	92.6	92.6	92.7
≥ 2500	48.1	79.2	85.2	89.1	91.3	91.7	92.6	93.0	93.1	93.4	93.5	93.5	93.7	93.7	93.7	93.8
≥ 2000	48.5	80.1	86.2	90.2	92.5	92.9	93.9	94.3	94.4	94.7	94.8	94.8	95.0	95.0	95.0	95.1
≥ 1800	48.8	80.3	86.5	90.5	92.8	93.2	94.2	94.7	94.7	95.0	95.2	95.2	95.3	95.3	95.4	95.4
≥ 1500	48.8	80.8	87.1	91.2	93.8	94.0	95.0	95.5	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.3
≥ 1200	48.9	81.1	87.5	91.7	94.1	94.6	95.6	96.1	96.2	96.5	96.6	96.6	96.8	96.8	96.8	96.9
≥ 1000	49.0	81.4	87.9	92.2	94.6	95.1	96.2	96.7	96.8	97.1	97.2	97.2	97.4	97.4	97.5	97.5
≥ 900	49.0	81.5	88.0	92.3	94.9	95.3	96.4	96.9	97.0	97.4	97.5	97.5	97.7	97.7	97.7	97.8
≥ 800	49.2	81.6	88.2	92.6	95.1	95.6	96.7	97.2	97.3	97.7	97.8	97.8	98.0	98.0	98.0	98.1
≥ 700	49.1	81.7	88.3	92.7	95.3	95.8	97.0	97.5	97.6	98.0	98.1	98.1	98.3	98.3	98.4	98.4
≥ 600	49.1	81.8	88.4	92.9	95.5	96.0	97.2	97.8	97.9	98.2	98.4	98.4	98.5	98.6	98.6	98.7
≥ 500	49.1	81.9	88.5	93.0	95.7	96.2	97.4	98.0	98.1	98.5	98.7	98.7	98.9	98.9	98.9	99.0
≥ 400	49.1	81.9	88.6	93.1	95.8	96.3	97.6	98.3	98.4	98.8	99.0	99.0	99.2	99.2	99.3	99.3
≥ 300	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.5	99.6
≥ 200	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.5	99.6
≥ 100	49.1	81.9	88.6	93.1	95.9	96.4	97.7	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.5	99.6
0	49.1	81.9	88.6	93.2	95.9	96.4	97.7	98.4	98.5	99.0	99.2	99.2	99.4	99.4	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS

24951

USAF ETAC

FORM  
JUL 64

0-14-5(OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14802  
STATION

CHICAGO AFB ILLINOIS/K4H1L0L  
STATION NAME

36-70  
YEARS

SEP  
MONTH

11  
HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	39.1	54.5	57.0	58.4	59.5	59.8	60.2	60.5	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.9
≥ 20000	43.4	61.4	64.3	65.9	67.2	67.4	67.9	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.7
IV 18000	43.5	61.5	64.3	66.1	67.4	67.6	68.1	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.8	68.9
IV 16000	43.6	61.7	64.7	66.3	67.5	67.8	68.2	68.6	68.6	68.8	68.8	68.8	68.9	68.9	68.9	69.0
IV 14000	44.0	62.4	65.4	67.0	68.2	68.5	69.0	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8
IV 12000	44.4	64.0	67.1	68.8	70.1	70.4	70.9	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.7
IV 10000	46.4	66.7	69.9	71.8	73.1	73.4	73.9	74.3	74.3	74.5	74.5	74.6	74.6	74.6	74.7	74.8
IV 9000	46.8	67.4	70.7	72.5	74.0	74.3	74.8	75.1	75.2	75.4	75.4	75.4	75.5	75.5	75.5	75.7
IV 8000	48.0	69.9	73.2	75.2	76.7	76.9	77.5	77.9	77.9	78.1	78.1	78.1	78.2	78.2	78.2	78.4
IV 7000	48.7	71.5	75.1	77.1	78.7	79.0	79.5	79.9	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4
IV 6000	49.4	72.9	76.5	78.6	80.2	80.4	81.0	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.9
IV 5000	50.2	74.3	78.1	80.2	81.5	82.2	82.8	83.1	83.2	83.4	83.4	83.4	83.5	83.5	83.6	83.7
IV 4500	50.6	75.1	78.9	81.0	82.7	83.0	83.6	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.5
IV 4000	51.7	76.5	80.7	83.0	84.7	85.0	85.6	86.0	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.6
IV 3500	52.3	77.9	82.0	84.3	86.0	86.4	87.0	87.4	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.9
IV 3000	53.0	79.3	83.4	85.9	87.7	88.0	88.7	89.1	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.7
IV 2500	53.5	80.4	84.5	87.1	89.0	89.3	90.0	90.4	90.5	90.7	90.8	90.8	90.9	90.9	90.9	91.0
IV 2000	53.9	81.3	85.7	88.4	90.4	90.8	91.5	91.9	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.5
IV 1800	54.0	81.6	85.9	88.7	90.7	91.1	91.8	92.2	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.9
IV 1500	54.2	82.3	86.8	89.6	91.7	92.1	92.9	93.3	93.4	93.7	93.7	93.7	93.8	93.8	93.9	94.0
IV 1200	54.4	83.1	87.7	90.6	92.7	93.1	94.0	94.4	94.5	94.8	94.9	94.9	95.0	95.0	95.0	95.1
IV 1000	54.6	83.6	88.4	91.4	93.8	94.2	95.1	95.6	95.7	96.0	96.0	96.0	96.1	96.1	96.2	96.3
IV 900	54.6	83.8	88.6	91.7	94.1	94.6	95.5	96.0	96.1	96.4	96.5	96.5	96.6	96.6	96.6	96.7
IV 800	54.6	84.0	88.9	92.1	94.6	95.0	96.0	96.6	96.7	97.0	97.0	97.0	97.1	97.1	97.2	97.3
IV 700	54.7	84.1	89.1	92.4	94.9	95.4	96.5	97.0	97.1	97.5	97.5	97.5	97.6	97.7	97.7	97.8
IV 600	54.7	84.3	89.3	92.6	95.3	95.8	97.0	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.4
IV 500	54.7	84.3	89.4	92.7	95.5	96.0	97.2	97.9	98.0	98.4	98.6	98.6	98.7	98.7	98.7	98.9
IV 400	54.7	84.4	89.4	92.8	95.6	96.1	97.5	98.2	98.4	98.7	98.8	98.8	98.9	98.9	98.9	99.0
IV 300	54.7	84.4	89.4	92.8	95.6	96.2	97.6	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0
IV 200	54.7	84.4	89.4	92.9	95.7	96.3	97.6	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0
IV 100	54.7	84.4	89.4	92.9	95.7	96.3	97.6	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0
IV 0	54.7	84.4	89.4	92.9	95.7	96.3	97.6	98.3	98.5	98.7	98.8	98.8	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

23512

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14205  
STATION

CHANDLER AFB ILLINOIS/RAHILL

36-70

YEARS

01

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

111  
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥0.16	≥0
NO CEILING ≥ 20000	25.0	51.7	54.2	57.2	58.8	59.2	59.9	60.2	60.3	60.6	60.7	60.7	60.8	60.8	60.9	61.1
IV 18000	37.8	56.4	59.7	62.4	64.4	64.9	65.7	66.1	66.1	66.4	66.5	66.5	66.7	66.7	66.8	67.0
IV 16000	37.9	56.4	60.2	62.4	64.6	65.1	65.9	66.2	66.2	66.6	66.7	66.7	66.8	66.8	66.9	67.1
IV 14000	38.2	57.1	60.8	63.3	65.3	65.7	66.5	66.9	66.9	67.2	67.4	67.4	67.5	67.5	67.6	67.8
IV 12000	39.0	58.4	62.2	65.0	66.8	67.2	68.1	68.4	68.5	68.8	68.9	69.0	69.1	69.1	69.2	69.4
IV 10000	40.3	60.5	64.4	67.2	69.1	69.5	70.4	70.7	70.8	71.1	71.2	71.2	71.4	71.4	71.5	71.7
IV 9000	40.7	61.2	65.1	68.0	69.9	70.3	71.2	71.6	71.6	71.9	72.0	72.0	72.2	72.2	72.3	72.5
IV 8000	41.8	62.0	67.1	70.1	72.2	72.6	73.5	73.9	73.9	74.3	74.4	74.4	74.6	74.6	74.7	74.9
IV 7000	42.5	64.5	68.6	72.0	74.1	74.6	75.5	75.9	75.9	76.3	76.4	76.4	76.5	76.6	76.7	76.9
IV 6000	43.5	65.9	70.3	73.4	75.8	76.3	77.3	77.7	77.7	78.1	78.2	78.2	78.3	78.3	78.4	78.7
IV 5000	43.9	67.4	72.0	75.4	77.7	78.1	79.1	79.5	79.6	80.0	80.1	80.1	80.2	80.2	80.3	80.5
IV 4500	44.4	68.1	72.1	76.3	78.6	79.1	80.1	80.5	80.6	80.9	81.0	81.0	81.2	81.2	81.3	81.5
IV 4000	45.1	69.7	74.3	78.1	80.5	81.0	82.0	82.4	82.5	82.9	83.0	83.0	83.1	83.1	83.2	83.4
IV 3500	45.7	70.7	75.7	79.4	81.9	82.4	83.5	83.9	83.9	84.3	84.4	84.4	84.5	84.5	84.7	84.9
IV 3000	46.8	72.3	77.4	81.2	83.7	84.3	85.4	85.8	85.8	86.2	86.3	86.3	86.5	86.5	86.6	86.8
IV 2500	47.0	73.5	78.7	82.6	85.3	85.8	86.9	87.4	87.4	87.8	87.9	87.9	88.1	88.1	88.2	88.4
IV 2000	47.7	74.8	80.1	84.2	87.0	87.5	88.7	89.2	89.3	89.6	89.8	89.8	89.9	89.9	90.0	90.2
IV 1800	47.7	75.0	80.5	84.6	87.3	87.9	89.1	89.6	89.7	90.1	90.2	90.2	90.3	90.4	90.5	90.7
IV 1500	48.1	76.0	81.6	85.8	88.6	89.2	90.5	91.0	91.1	91.5	91.6	91.6	91.8	91.8	91.9	92.1
IV 1200	48.3	76.5	82.2	86.5	89.5	90.1	91.4	92.0	92.0	92.5	92.6	92.6	92.8	92.8	92.9	93.1
IV 1000	48.4	77.1	82.9	87.4	90.6	91.2	92.6	93.2	93.3	93.7	93.8	93.8	94.0	94.0	94.1	94.3
IV 900	48.5	77.3	83.2	87.7	90.9	91.6	93.0	93.6	93.7	94.1	94.3	94.3	94.4	94.5	94.6	94.8
IV 800	48.5	77.6	83.6	88.3	91.6	92.3	93.8	94.5	94.6	95.0	95.2	95.2	95.4	95.4	95.5	95.7
IV 700	48.5	77.7	83.8	88.6	92.1	92.8	94.4	95.1	95.2	95.7	95.8	95.9	96.0	96.0	96.1	96.4
IV 600	48.6	77.8	84.0	88.9	92.5	93.2	95.0	95.7	95.9	96.4	96.6	96.6	96.8	96.8	96.9	97.1
IV 500	48.6	78.0	84.2	89.2	92.9	93.6	95.5	96.3	96.4	97.1	97.3	97.3	97.5	97.5	97.6	97.8
IV 400	48.6	78.0	84.3	89.3	93.1	93.9	95.9	96.8	97.0	97.7	98.0	98.0	98.2	98.2	98.3	98.5
IV 300	48.6	78.0	84.3	89.4	93.2	94.0	96.1	97.1	97.3	98.1	98.4	98.4	98.6	98.7	98.8	99.0
IV 200	48.6	78.0	84.3	89.4	93.2	94.0	96.1	97.2	97.4	98.2	98.7	98.7	99.0	99.0	99.2	99.4
IV 100	43.6	78.0	84.3	89.4	93.2	94.0	96.2	97.2	97.4	98.3	98.7	98.7	99.0	99.1	99.3	99.6
IV 0	48.6	78.0	84.3	89.4	93.2	94.0	96.2	97.2	97.4	98.3	98.7	98.7	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

24391

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14606  
STATION

CHARLIE AFB ILLINOIS/RANDOLPH

36-70

YEAR

12V  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥¼	≥0
NO CEILING	23.3	37.3	40.1	42.4	44.1	44.4	44.9	45.2	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.8
≥ 20000	23.9	42.4	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 10000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 9000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 7000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 5000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4500	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 3500	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 3000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 2500	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 2000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 1800	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 1500	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 1200	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 1000	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 900	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 800	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 700	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 600	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 500	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 400	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 300	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 200	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 100	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 0	23.9	42.4	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3

TOTAL NUMBER OF OBSERVATIONS

23574

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTHOL  
STATION NAME

26-70  
YEARS

LEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS OF DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	18.5	30.0	32.5	35.0	37.2	37.7	38.5	38.8	38.9	39.2	39.2	39.2	39.2	39.3	39.3	39.4
IV 18000	20.4	34.0	37.1	40.1	42.8	43.4	44.4	44.7	44.8	45.1	45.2	45.2	45.2	45.4	45.4	45.4
IV 16000	20.4	34.1	37.3	40.4	43.0	43.5	44.5	44.9	44.9	45.3	45.4	45.4	45.5	45.5	45.5	45.8
IV 14000	20.5	34.2	37.4	40.4	43.1	43.7	44.6	45.0	45.1	45.4	45.5	45.5	45.6	45.6	45.7	45.9
IV 12000	20.8	35.0	38.3	41.3	44.1	44.7	45.7	46.1	46.2	46.6	46.7	46.7	46.8	46.8	46.8	47.0
IV 10000	21.5	36.2	39.5	42.7	45.6	46.3	47.4	47.8	47.8	48.2	48.3	48.3	48.4	48.4	48.5	48.7
IV 9000	22.4	38.1	41.0	45.1	48.2	48.9	50.0	50.5	50.5	50.9	51.0	51.0	51.1	51.1	51.2	51.4
IV 8000	22.9	38.8	42.5	46.0	49.1	49.9	51.0	51.5	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.4
IV 7000	23.5	40.2	44.1	47.7	51.1	51.8	53.1	53.5	53.6	54.0	54.2	54.2	54.3	54.3	54.3	54.6
IV 6000	24.1	41.5	45.4	49.3	52.8	53.6	54.9	55.4	55.4	55.9	56.0	56.0	56.1	56.1	56.2	56.4
IV 5000	24.5	42.3	46.3	50.3	54.1	55.0	56.3	56.9	56.9	57.4	57.5	57.5	57.7	57.7	57.7	57.9
IV 4500	25.1	43.5	47.8	52.7	55.7	56.6	58.0	58.5	58.6	59.1	59.3	59.3	59.4	59.4	59.4	59.7
IV 4000	25.2	44.1	48.5	52.7	56.5	57.4	58.8	59.4	59.5	60.0	60.2	60.2	60.3	60.3	60.4	60.6
IV 3500	25.7	45.0	49.6	54.0	57.9	58.9	60.4	61.0	61.1	61.6	61.8	61.8	61.9	61.9	62.0	62.2
IV 3000	26.0	45.9	50.6	55.1	59.2	60.2	61.7	62.4	62.4	63.0	63.2	63.2	63.3	63.3	63.4	63.6
IV 2500	26.6	47.2	52.1	56.9	61.2	62.2	63.8	64.5	64.5	65.2	65.3	65.4	65.5	65.5	65.5	65.4
IV 2000	27.3	48.7	53.9	58.8	63.2	64.4	66.1	66.9	67.0	67.6	67.8	67.8	67.9	67.9	68.0	68.2
IV 1800	28.2	51.0	56.0	61.9	66.6	67.8	69.7	70.6	70.7	71.4	71.6	71.6	71.8	71.8	71.8	72.1
IV 1500	28.4	51.8	57.6	62.5	67.9	69.0	71.0	71.9	72.0	72.8	73.0	73.0	73.1	73.1	73.2	73.4
IV 1200	29.0	53.0	59.0	65.3	70.6	71.9	74.1	75.1	75.3	76.1	76.3	76.4	76.5	76.5	76.6	76.8
IV 1000	29.5	55.4	61.8	67.8	73.4	74.8	77.3	78.5	78.7	79.6	79.9	79.9	80.1	80.1	80.2	80.4
IV 900	29.7	56.0	63.4	70.0	76.1	77.7	80.7	82.1	82.3	83.4	83.8	83.9	84.1	84.1	84.2	84.4
IV 800	29.8	57.0	64.0	70.8	77.2	78.8	82.0	83.6	83.8	85.1	85.5	85.6	85.8	85.8	85.9	86.2
IV 700	29.8	57.2	64.4	71.4	78.0	79.7	83.0	84.8	85.1	86.5	87.0	87.1	87.3	87.3	87.4	87.7
IV 600	29.9	57.5	64.7	71.9	78.7	80.5	84.1	86.1	86.4	88.0	88.6	88.6	89.0	89.0	89.1	89.4
IV 500	29.9	57.6	65.0	72.4	79.4	81.4	85.3	87.5	87.9	89.7	90.4	90.5	90.9	90.9	91.1	91.4
IV 400	29.9	57.7	65.1	72.6	79.9	81.9	86.1	88.6	89.1	91.3	92.1	92.2	92.8	92.9	93.1	93.7
IV 300	29.9	57.7	65.2	72.7	80.2	82.3	86.6	89.3	89.9	92.4	93.6	93.7	94.6	94.6	94.9	95.2
IV 200	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.7	90.4	93.2	94.7	94.9	96.0	96.2	96.6	97.0
IV 100	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.8	90.4	93.4	95.0	95.2	96.5	96.8	97.5	98.3
IV 0	29.9	57.7	65.2	72.7	80.3	82.4	86.9	89.8	90.4	93.4	95.0	95.2	96.5	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 24365

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CLEAR: APR ILLINOIS/ONTARIO  
STATION NAME

37-66  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.4	33.1	30.1	33.6	40.9	41.3	42.5	42.7	42.7	43.2	43.4	43.4	43.5	43.5	43.0	43.7
≥ 20000	16.2	35.0	40.4	41.6	44.5	45.0	46.4	46.6	46.6	47.1	47.3	47.3	47.5	47.5	47.5	47.9
IV 18000	10.9	35.5	38.9	42.1	44.9	45.5	46.8	47.1	47.1	47.6	47.8	47.8	48.0	48.0	48.1	48.4
IV 16000	14.5	35.6	39.0	42.3	45.2	45.7	47.1	47.3	47.3	47.8	48.1	48.1	48.2	48.2	48.3	48.6
IV 14000	16.6	36.0	39.7	43.1	46.3	47.0	48.3	48.6	48.6	49.1	49.4	49.4	49.5	49.5	49.6	49.9
IV 12000	18.7	36.4	40.3	43.7	46.9	47.7	49.0	49.3	49.3	49.8	50.1	50.1	50.3	50.3	50.3	50.6
IV 10000	19.4	37.7	41.7	45.3	48.8	49.3	50.8	50.9	51.0	51.5	51.7	51.7	51.9	51.9	51.9	52.3
IV 9000	19.5	38.0	42.2	46.0	49.2	49.9	51.3	51.6	51.6	52.1	52.3	52.3	52.5	52.5	52.6	52.9
IV 8000	20.0	39.3	43.6	47.7	51.1	51.9	53.2	53.6	53.7	54.2	54.4	54.4	54.6	54.6	54.7	55.0
IV 7000	20.2	40.3	44.5	49.3	52.4	53.2	54.7	55.1	55.2	55.7	55.9	55.9	56.2	56.2	56.2	56.5
IV 6000	20.4	40.8	45.1	49.6	53.1	54.2	55.0	56.1	56.2	56.7	56.9	56.9	57.1	57.1	57.2	57.5
IV 5000	20.9	42.0	46.3	51.0	54.6	55.7	57.2	57.7	57.7	58.2	58.5	58.5	58.7	58.7	58.8	59.1
IV 4500	21.0	42.7	46.6	51.4	55.1	56.2	57.7	58.2	58.2	58.8	59.0	59.0	59.2	59.2	59.3	59.6
IV 4000	21.3	43.3	47.7	52.8	56.6	57.8	59.3	59.7	59.8	60.4	60.6	60.6	60.9	60.9	61.0	61.3
IV 3500	21.6	44.1	48.7	53.8	57.7	58.9	60.4	60.9	60.9	61.6	61.8	61.8	62.1	62.1	62.1	62.4
IV 3000	21.9	45.3	50.3	55.7	59.6	60.8	62.3	62.8	62.9	63.6	63.9	63.9	64.1	64.1	64.2	64.5
IV 2500	22.2	47.2	52.3	58.1	62.3	63.6	65.2	65.7	65.8	66.6	66.8	66.8	67.1	67.1	67.1	67.5
IV 2000	22.8	49.2	54.7	60.6	65.1	66.5	68.2	68.8	68.9	69.7	70.0	70.0	70.2	70.2	70.3	70.6
IV 1800	22.9	49.3	55.2	61.2	65.9	67.2	69.1	69.7	69.8	70.7	71.0	71.0	71.2	71.2	71.3	71.6
IV 1500	23.1	51.3	57.4	63.7	68.9	70.5	72.6	73.4	73.4	74.3	74.5	74.8	75.1	75.1	75.1	75.4
IV 1200	23.2	52.4	59.0	65.6	71.2	73.0	75.6	76.4	76.5	77.7	78.0	78.0	78.3	78.3	78.4	78.7
IV 1000	23.3	53.2	60.1	67.5	73.6	75.4	78.4	79.4	79.5	80.9	81.2	81.2	81.5	81.5	81.6	81.9
IV 900	23.6	53.7	60.6	68.2	74.5	76.3	79.3	80.5	80.6	82.0	82.3	82.3	82.6	82.6	82.7	83.0
IV 800	23.7	54.2	61.1	68.9	75.4	77.4	80.8	81.9	82.0	83.5	83.9	83.9	84.2	84.2	84.3	84.7
IV 700	23.7	54.3	61.6	69.5	76.5	78.5	82.1	83.4	83.5	85.1	85.5	85.5	85.9	85.9	86.0	86.3
IV 600	23.7	54.3	61.8	70.0	77.5	79.6	83.5	85.0	85.0	86.6	87.2	87.3	87.8	87.8	87.9	88.2
IV 500	23.7	54.5	61.8	70.1	78.3	80.4	84.7	86.3	86.4	88.3	88.9	89.0	89.5	89.5	89.7	90.0
IV 400	23.7	54.5	61.9	70.3	78.6	80.9	85.3	87.2	87.2	89.7	90.5	90.6	91.3	91.3	91.3	91.6
IV 300	23.7	54.5	62.0	70.5	79.0	81.4	85.2	88.3	88.5	91.2	92.2	92.2	93.0	93.0	93.2	93.5
IV 200	23.7	54.5	62.0	70.6	79.1	81.6	86.5	88.9	89.1	92.2	93.5	93.5	94.7	94.8	95.1	95.5
IV 100	23.7	54.5	62.0	70.6	79.1	81.6	86.5	89.0	89.3	92.5	93.9	94.1	95.8	96.0	96.7	97.4
IV 0	23.7	54.5	62.0	70.6	79.1	81.6	86.5	89.0	89.3	92.5	93.9	94.1	96.0	96.1	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

2541

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

148175  
STATION

CHARLIE AFB ILLINOIS/AMTIL

37-63

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	15.4	30.5	34.0	36.1	40.2	40.3	41.3	41.5	41.5	41.9	42.1	42.1	42.3	42.4	42.5	42.7
≥ 20000	16.5	33.5	37.4	41.0	44.6	44.7	45.9	46.2	46.2	46.6	46.8	46.8	47.0	47.0	47.3	47.6
IV 18000	16.7	33.7	37.6	41.2	44.8	45.0	46.1	46.4	46.4	46.8	47.0	47.0	47.2	47.3	47.5	47.8
IV 16000	16.7	33.7	37.6	41.2	44.8	45.0	46.1	46.4	46.4	46.8	47.0	47.0	47.2	47.3	47.5	47.8
IV 14000	16.9	34.3	38.3	42.1	45.4	46.0	47.2	47.4	47.4	47.8	48.0	48.0	48.3	48.3	48.6	48.8
IV 12000	17.3	35.1	39.2	43.2	47.0	47.3	48.5	48.8	48.8	49.2	49.4	49.4	49.6	49.7	49.9	50.2
IV 10000	18.0	36.4	40.7	44.9	49.0	49.3	50.5	50.8	50.8	51.2	51.4	51.4	51.6	51.7	51.9	52.2
IV 9000	18.0	36.4	40.7	44.9	49.0	49.3	50.5	50.8	50.8	51.2	51.4	51.4	51.6	51.7	51.9	52.2
IV 8000	18.3	37.5	41.9	46.3	50.5	50.8	52.1	52.4	52.4	52.8	53.0	53.0	53.3	53.3	53.5	53.8
IV 7000	18.4	38.4	43.0	47.5	52.0	52.4	53.6	53.9	53.9	54.4	54.6	54.6	54.8	54.9	55.1	55.4
IV 6000	18.6	38.9	43.6	48.3	52.8	53.3	54.6	55.0	55.0	55.5	55.7	55.7	55.9	55.9	56.2	56.5
IV 5000	19.1	40.1	45.1	50.0	54.5	55.1	56.4	56.8	56.8	57.2	57.4	57.4	57.7	57.7	57.9	58.2
IV 4500	19.1	40.4	45.5	50.4	55.1	55.7	56.9	57.3	57.3	57.8	58.0	58.0	58.2	58.3	58.5	58.8
IV 4000	19.2	40.7	45.8	51.2	56.2	56.8	58.3	58.7	58.7	59.1	59.3	59.3	59.6	59.6	59.9	60.2
IV 3500	19.8	41.7	47.2	52.3	57.3	58.1	59.6	60.0	60.0	60.5	60.7	60.7	61.0	61.0	61.3	61.6
IV 3000	20.2	42.8	48.6	54.0	59.4	60.0	61.5	62.0	62.0	62.5	62.7	62.7	63.0	63.1	63.3	63.6
IV 2500	20.5	43.7	50.0	55.9	61.2	61.9	63.6	64.2	64.2	64.7	64.9	65.0	65.2	65.3	65.5	65.8
IV 2000	20.9	44.9	51.0	57.5	63.8	64.6	66.7	67.3	67.3	67.9	68.1	68.2	68.5	68.5	68.8	69.1
IV 1800	20.9	45.5	52.2	58.2	64.8	65.6	67.8	68.4	68.4	69.1	69.4	69.5	69.7	69.8	70.0	70.3
IV 1500	21.1	47.2	54.5	61.1	68.0	68.7	71.1	71.8	71.8	72.7	73.0	73.1	73.4	73.4	73.6	73.9
IV 1200	21.4	48.4	56.3	63.5	70.8	71.5	74.3	75.1	75.1	75.2	76.4	76.5	76.8	76.8	77.1	77.4
IV 1000	21.5	49.5	57.6	65.6	73.4	74.1	77.3	78.2	78.2	79.3	79.7	79.8	80.2	80.2	80.5	80.8
IV 900	21.6	49.5	58.2	66.3	74.2	75.1	78.4	79.4	79.4	80.5	80.9	81.1	81.4	81.5	81.8	82.1
IV 800	21.7	50.0	58.6	66.9	75.3	76.3	80.1	81.3	81.3	82.5	82.9	83.2	83.5	83.5	83.9	84.1
IV 700	21.7	50.4	59.0	67.6	76.4	77.6	81.7	83.1	83.2	84.5	84.9	85.0	85.4	85.5	85.8	86.1
IV 600	21.8	50.4	59.4	68.0	77.3	78.6	83.0	84.5	84.7	86.1	86.5	86.6	87.1	87.2	87.5	87.8
IV 500	21.8	50.5	59.4	68.2	77.9	79.3	84.1	86.0	86.2	87.6	88.1	88.2	88.8	88.8	89.2	89.5
IV 400	21.8	50.6	59.6	68.5	78.2	79.7	85.0	87.0	87.3	89.2	90.0	90.2	90.8	90.9	91.3	91.6
IV 300	21.8	50.6	59.7	68.6	78.4	80.0	85.4	87.7	88.0	90.1	91.2	91.3	92.0	92.0	92.6	92.9
IV 200	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.2	88.6	91.1	92.3	92.5	93.7	93.8	94.7	95.0
IV 100	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.2	88.6	91.3	92.9	93.2	94.6	94.8	96.0	96.7
IV 0	21.8	50.6	59.7	68.6	78.5	80.1	85.6	88.3	88.7	91.4	93.1	93.3	94.8	95.1	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2501

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805 STATION CHANUTE AFB ILLINOIS/RAITJOL

37-70

YEARS

105 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥ 3/4	≥ 1/2	≥ 1/3	≥ 1/4	≥ 1/5	≥ 1/10
NO CEILING	14.6	27.1	30.6	33.0	35.3	38.4	36.6	37.2	37.2	37.7	37.9	37.9	38.0	38.0	38.1	38.2
≥ 20000	15.9	30.4	34.8	37.8	40.6	41.3	42.2	42.9	43.0	43.6	43.9	43.9	44.0	44.1	44.2	44.4
IV 18000	16.0	30.0	35.0	38.0	40.5	41.5	42.5	43.2	43.3	43.9	44.2	44.2	44.3	44.4	44.5	44.7
IV 16000	16.0	30.7	35.2	38.2	41.1	41.8	42.9	43.6	43.7	44.3	44.6	44.6	44.7	44.8	44.9	45.1
IV 14000	16.4	31.5	36.1	39.2	42.2	42.9	44.0	44.7	44.8	45.4	45.7	45.7	45.8	45.9	46.0	46.1
IV 12000	16.9	32.8	37.5	40.8	43.9	44.6	45.6	46.5	46.6	47.3	47.6	47.6	47.7	47.7	47.9	48.1
IV 10000	17.7	34.4	39.3	42.8	46.0	46.8	48.1	48.8	48.9	49.6	49.8	49.9	50.0	50.0	50.2	50.3
IV 9000	17.9	34.8	39.9	43.3	46.5	47.6	48.8	49.0	49.7	50.3	50.6	50.6	50.7	50.8	51.0	51.1
IV 8000	18.2	36.0	41.2	45.1	48.5	49.3	50.7	51.5	51.6	52.2	52.5	52.5	52.6	52.7	52.9	53.0
IV 7000	18.5	37.1	42.4	46.4	50.0	51.0	52.4	53.3	53.4	54.0	54.3	54.3	54.4	54.5	54.7	54.8
IV 6000	18.9	38.0	43.4	47.5	51.3	52.3	53.8	54.7	54.8	55.5	55.8	55.8	55.9	56.0	56.2	56.3
IV 5000	19.2	38.7	44.3	48.7	52.4	53.6	55.1	55.1	56.2	56.9	57.2	57.3	57.4	57.4	57.6	57.7
IV 4500	19.3	38.8	44.4	48.8	52.7	53.8	55.4	56.4	56.5	57.2	57.5	57.5	57.6	57.7	57.9	58.0
IV 4000	19.4	39.5	45.3	50.0	53.9	55.1	56.8	58.0	58.1	58.9	59.2	59.2	59.3	59.3	59.5	59.6
IV 3500	19.7	40.4	46.3	51.1	55.2	56.3	58.1	59.2	59.3	60.1	60.4	60.3	60.6	60.6	60.8	60.9
IV 3000	20.1	41.5	48.0	52.9	57.3	58.5	60.3	61.6	61.7	62.6	62.9	62.9	63.0	63.1	63.3	63.4
IV 2500	20.5	42.9	49.1	54.2	58.6	59.9	61.8	63.1	63.2	64.2	64.5	64.5	64.6	64.6	64.8	65.0
IV 2000	21.0	44.4	51.1	56.7	61.8	63.1	65.2	66.7	66.8	67.7	68.1	68.1	68.2	68.3	68.5	68.7
IV 1800	21.1	44.8	51.5	57.2	62.5	63.7	65.9	67.4	67.5	68.6	68.9	69.0	69.1	69.1	69.4	69.5
IV 1500	21.4	46.2	53.2	59.3	65.0	66.2	68.7	70.3	70.4	71.6	72.0	72.0	72.1	72.2	72.4	72.6
IV 1200	21.9	47.7	55.2	61.6	67.6	68.9	71.6	73.5	73.6	74.9	75.2	75.3	75.4	75.4	75.7	75.8
IV 1000	22.0	48.7	56.6	63.2	69.9	71.2	74.2	76.4	76.6	78.0	78.5	78.5	78.7	78.8	79.1	79.3
IV 900	22.2	49.3	57.2	64.0	70.9	72.3	75.5	77.8	78.0	79.5	80.0	80.1	80.3	80.4	80.6	80.9
IV 800	22.2	49.8	57.8	64.9	72.1	73.5	77.0	79.4	79.7	81.5	82.1	82.1	82.4	82.4	82.7	82.9
IV 700	22.2	50.0	58.3	65.5	73.1	74.6	78.3	81.2	81.5	83.4	84.1	84.2	84.5	84.5	84.8	85.0
IV 600	22.2	50.1	58.4	65.8	73.7	75.2	79.4	82.6	82.9	85.2	86.0	86.0	86.3	86.4	86.7	86.9
IV 500	22.2	50.2	58.6	66.2	74.3	75.9	80.6	84.1	84.5	87.3	88.2	88.2	88.5	88.6	88.9	89.1
IV 400	22.2	50.3	58.8	66.5	74.9	76.6	81.4	85.3	85.7	88.9	90.1	90.2	90.7	90.8	91.1	91.3
IV 300	22.2	50.4	58.8	66.6	75.0	76.7	81.9	86.1	86.6	90.2	91.7	91.7	92.3	92.5	92.9	93.2
IV 200	22.2	50.3	58.8	66.6	75.0	76.7	82.0	86.3	86.8	90.7	92.7	92.8	93.9	94.1	94.9	95.4
IV 100	22.2	50.3	58.9	66.7	75.1	76.8	82.1	86.4	87.0	90.9	93.1	93.3	94.6	95.0	96.1	97.3
IV 0	22.2	50.3	58.9	66.7	75.1	76.8	82.1	86.4	87.0	90.9	93.1	93.3	94.6	95.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 3025

USAF ETAC FORM 0-14-5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANDOLPH

37-70

YEARS

149  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0200-1100  
HOURS (ZST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.1	28.4	31.2	32.5	34.4	35.1	35.6	36.1	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.6
≥ 20000	17.7	32.9	36.6	38.6	40.4	41.2	41.6	42.3	42.5	42.7	42.8	42.8	42.8	42.8	42.8	43.0
≥ 18000	17.7	33.1	36.8	38.8	40.6	41.4	42.1	42.6	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.3
≥ 16000	17.7	33.3	37.0	39.1	40.9	41.7	42.4	42.9	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.6
≥ 14000	17.9	34.1	38.0	40.3	42.2	43.1	43.8	44.3	44.6	44.7	44.8	44.9	44.9	44.9	44.9	45.0
≥ 12000	18.7	35.6	39.7	42.2	44.2	45.1	45.9	46.4	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.1
≥ 10000	19.8	37.8	42.2	44.7	46.8	47.8	48.5	49.1	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.9
≥ 9000	20.1	38.3	42.8	45.5	47.7	48.6	49.4	50.0	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.8
≥ 8000	20.6	39.4	44.1	47.3	49.3	50.3	51.2	51.8	52.1	52.3	52.4	52.5	52.5	52.5	52.5	52.7
≥ 7000	20.9	40.4	45.3	48.3	50.9	52.0	52.9	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.6
≥ 6000	21.2	41.2	46.3	49.5	52.2	53.4	54.4	55.2	55.5	55.7	55.8	55.9	55.9	55.9	55.9	56.0
≥ 5000	21.4	42.0	47.3	50.7	53.6	54.8	55.9	56.8	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.7
≥ 4500	21.5	42.2	47.6	51.0	54.0	55.3	56.4	57.3	57.6	57.8	57.9	58.0	58.0	58.0	58.0	58.2
≥ 4000	21.6	42.3	47.8	51.3	54.3	55.6	56.7	57.6	58.0	58.2	58.3	58.4	58.4	58.4	58.4	58.6
≥ 3500	22.0	43.7	49.4	53.1	56.3	57.6	58.8	59.7	60.1	60.4	60.5	60.6	60.6	60.6	60.6	60.8
≥ 3000	22.3	44.7	50.4	54.3	57.7	59.1	60.4	61.5	61.8	62.2	62.3	62.4	62.4	62.4	62.4	62.6
≥ 2500	22.7	45.9	51.6	55.6	59.3	60.8	62.2	63.3	63.6	64.0	64.2	64.3	64.3	64.3	64.3	64.5
≥ 2000	23.3	47.5	53.9	58.2	62.2	63.8	65.3	66.7	67.1	67.5	67.7	67.9	67.9	67.9	67.9	68.0
≥ 1800	23.4	48.4	54.5	58.9	63.0	64.7	66.4	67.8	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.2
≥ 1500	23.6	49.5	55.6	60.9	65.4	67.2	69.3	70.9	71.3	72.0	72.2	72.3	72.3	72.3	72.3	72.5
≥ 1200	24.1	51.2	58.0	62.8	68.1	70.1	72.3	74.1	74.5	75.4	75.6	75.7	75.8	75.8	75.8	76.0
≥ 1000	24.1	52.5	59.7	64.7	70.6	72.7	75.2	77.1	77.5	78.6	79.0	79.1	79.2	79.3	79.3	79.5
≥ 900	24.1	52.9	60.2	65.3	71.5	73.7	76.4	78.5	79.0	80.3	80.7	80.8	80.9	80.9	80.9	81.1
≥ 800	24.1	53.3	60.6	66.1	72.3	74.7	77.8	80.0	80.6	82.0	82.6	82.7	82.8	82.9	82.9	83.1
≥ 700	24.1	53.5	61.1	66.8	73.3	75.7	78.9	81.0	82.3	83.8	84.5	84.7	84.8	84.9	84.9	85.1
≥ 600	24.1	53.6	61.4	67.2	74.0	76.5	80.1	82.9	83.6	85.4	86.3	86.4	86.6	86.6	86.7	86.9
≥ 500	24.2	53.7	61.6	67.5	74.5	77.1	81.0	84.3	85.0	87.3	88.4	88.6	88.9	89.1	89.1	89.3
≥ 400	24.2	53.8	61.6	67.6	74.7	77.5	82.0	85.7	86.6	89.4	90.8	91.0	91.5	91.6	91.6	91.9
≥ 300	24.2	53.8	61.7	67.6	74.8	77.6	82.2	86.3	87.4	90.8	92.8	93.1	93.9	94.0	94.1	94.7
≥ 200	24.2	53.8	61.7	67.6	74.8	77.6	82.2	86.3	87.5	91.2	93.8	94.1	95.6	95.8	96.1	96.9
≥ 100	24.2	53.8	61.7	67.6	74.8	77.6	82.3	86.4	87.6	91.3	93.9	94.2	95.9	96.1	96.8	98.2
≥ 0	24.2	53.8	61.7	67.6	74.8	77.6	82.3	86.4	87.6	91.3	93.9	94.2	95.9	96.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3100

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14200  
STATION

CHARLES AFB ILLINOIS/KANTWUL  
STATION NAME

37-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	19.5	20.5	32.4	32.9	35.0	35.2	35.4	35.4	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000	23.1	37.4	39.0	41.6	42.9	47.1	43.3	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 18000	23.1	37.5	40.0	41.7	43.0	43.3	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 16000	23.2	37.8	40.2	42.0	43.3	43.6	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 14000	23.4	38.0	41.2	43.1	44.4	44.7	44.9	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	24.1	40.2	43.0	45.0	46.5	46.8	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	25.7	42.7	45.6	47.6	49.1	49.4	49.7	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	26.0	43.4	46.3	48.4	50.0	50.3	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	26.7	44.0	47.9	50.1	51.9	52.2	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	26.9	45.3	48.7	50.9	52.9	53.2	53.6	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	27.2	45.1	49.4	51.7	53.6	54.2	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 5000	27.6	47.1	50.6	53.0	55.1	55.5	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 4500	27.7	47.3	51.0	53.5	55.7	56.1	56.5	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000	27.9	48.2	51.3	54.5	56.8	57.3	57.7	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 3500	28.2	48.8	52.6	55.4	57.8	58.3	58.9	59.1	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 3000	28.7	50.5	54.5	57.4	60.3	60.8	61.5	61.8	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 2500	29.5	52.5	56.8	59.9	63.1	63.7	64.4	64.7	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 2000	30.6	54.7	59.3	62.9	66.2	66.9	67.7	68.1	68.3	68.8	68.9	68.9	68.9	68.9	68.9	68.9
≥ 1800	30.8	55.2	60.0	63.6	67.1	67.8	68.6	69.1	69.3	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1500	31.3	57.5	62.7	66.7	70.6	71.5	72.4	73.0	73.2	73.9	74.0	74.0	74.0	74.1	74.1	74.1
≥ 1200	31.7	59.2	64.8	69.4	73.6	74.7	75.9	76.8	77.0	77.8	77.9	77.9	78.0	78.0	78.0	78.0
≥ 1000	31.7	60.4	66.3	71.5	75.3	77.5	78.8	79.9	80.1	81.0	81.3	81.3	81.4	81.4	81.4	81.4
≥ 900	31.8	60.9	67.0	72.5	77.5	78.8	80.3	81.3	81.6	82.6	82.9	82.9	83.0	83.0	83.0	83.0
≥ 800	31.8	61.2	67.4	73.2	78.6	80.1	81.8	83.2	83.6	84.8	85.2	85.2	85.4	85.4	85.5	85.5
≥ 700	31.8	61.3	67.6	73.5	79.0	80.7	82.9	84.4	84.8	86.2	86.8	86.8	87.0	87.0	87.1	87.1
≥ 600	31.8	61.5	67.8	73.8	79.5	81.3	83.5	85.7	86.1	87.7	88.3	88.3	88.5	88.5	88.7	88.7
≥ 500	31.8	61.6	68.1	74.3	80.4	82.4	85.2	87.5	88.0	89.9	90.7	90.7	91.1	91.1	91.4	91.4
≥ 400	31.8	61.7	68.3	74.7	80.9	83.0	86.0	88.8	89.3	91.7	92.8	92.9	93.5	93.5	93.9	94.1
≥ 300	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.3	89.9	93.0	94.4	94.4	95.3	95.3	95.7	96.0
≥ 200	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.4	95.2	95.2	96.5	96.6	97.2	97.5
≥ 100	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.5	95.3	95.4	96.9	97.2	98.0	98.7
≥ 0	31.8	61.7	68.3	74.7	81.0	83.1	86.2	89.4	90.1	93.5	95.3	95.4	97.0	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 3127

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

14808  
STATION

CHENOWETH ILLINOIS/RANTOUL

37-70

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	17.1	31.0	32.0	34.2	35.6	35.8	35.9	36.2	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4
IV 18000	22.2	37.0	39.6	41.7	43.5	43.7	43.9	44.2	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6
IV 16000	22.2	37.2	39.8	41.9	43.7	44.0	44.2	44.6	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9
IV 14000	22.6	38.3	41.0	43.2	45.1	45.4	45.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3
IV 12000	23.6	39.7	42.7	45.3	47.1	47.4	47.6	48.1	48.1	48.2	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	24.3	41.9	45.1	47.7	49.9	50.2	50.5	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	25.2	42.6	45.9	48.5	50.8	51.1	51.4	51.9	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2
IV 8000	26.2	44.7	48.1	50.8	53.2	53.5	53.9	54.3	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	26.6	45.7	49.1	52.0	54.5	54.9	55.2	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1
IV 6000	26.9	46.6	50.2	53.3	56.0	56.3	56.7	57.2	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.7
IV 5000	27.2	47.3	51.0	54.1	56.9	57.3	57.7	58.2	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	27.3	47.3	51.2	54.4	57.1	57.6	58.0	58.5	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000	27.5	48.1	51.9	55.2	58.2	58.7	59.2	59.8	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500	27.7	49.0	53.0	56.4	59.5	60.1	60.6	61.2	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8
IV 3000	28.4	51.0	55.2	59.7	62.0	62.7	63.2	63.8	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4
IV 2500	29.1	53.2	57.7	61.5	64.9	65.6	66.2	66.9	67.1	67.5	67.7	67.7	67.8	67.8	67.8	67.8
IV 2000	29.7	55.2	60.7	64.8	68.7	69.4	70.0	70.9	71.1	71.7	71.9	71.9	72.0	72.0	72.0	72.0
IV 1800	29.8	56.5	61.5	65.9	69.9	70.7	71.4	72.3	72.6	73.2	73.4	73.4	73.5	73.5	73.5	73.5
IV 1500	30.1	58.3	63.4	68.1	72.4	73.3	74.1	75.1	75.3	76.1	76.4	76.4	76.5	76.5	76.5	76.5
IV 1200	30.4	59.1	64.8	70.0	74.6	75.6	76.9	78.2	78.4	79.3	79.7	79.7	79.9	79.9	79.9	79.9
IV 1000	30.4	59.9	65.9	71.3	75.5	76.5	77.5	79.0	80.7	81.0	82.1	82.7	83.0	83.0	83.0	83.0
IV 900	30.4	60.2	66.2	71.7	77.1	78.2	79.9	81.6	81.9	83.0	83.7	83.7	84.0	84.0	84.0	84.0
IV 800	30.4	60.5	66.8	72.5	78.1	79.3	81.2	83.1	83.5	84.7	85.4	85.4	85.8	85.8	85.8	85.8
IV 700	30.4	60.7	67.0	73.0	78.9	80.3	82.6	84.5	84.9	86.3	87.2	87.2	87.6	87.6	87.6	87.6
IV 600	30.4	60.7	67.1	73.2	79.5	81.0	83.9	86.1	86.6	88.3	89.4	89.5	90.0	90.0	90.1	90.1
IV 500	30.4	60.8	67.4	73.5	79.9	81.5	84.7	87.1	87.6	89.4	90.7	90.7	91.4	91.4	91.4	91.4
IV 400	30.4	60.8	67.4	73.7	80.2	81.8	85.0	87.7	88.3	90.7	92.2	92.3	93.0	93.0	93.1	93.2
IV 300	30.4	60.9	67.5	73.8	80.3	82.0	85.3	88.2	88.9	91.8	93.6	93.7	94.6	94.6	94.8	95.0
IV 200	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.2	92.3	94.5	94.6	95.9	96.0	96.4	96.7
IV 100	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.3	92.5	94.8	94.9	96.5	96.6	97.3	98.4
IV 0	30.4	60.9	67.5	73.8	80.4	82.1	85.5	88.5	89.3	92.5	94.8	94.9	96.5	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3155

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

14800  
STATION

CHICAGO AND ILLINOIS/REGIONAL

27-70

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥0
NO CEILING	20.2	33.5	37.1	38.9	40.0	41.0	41.5	41.9	42.0	42.1	42.2	42.2	42.2	42.2	42.2	42.2
≥20000	21.7	37.3	42.0	44.4	46.7	47.2	48.0	48.5	48.5	48.6	48.7	48.7	48.8	48.8	48.8	48.8
≥18000	21.8	37.9	42.2	44.7	47.0	47.5	48.3	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1
≥16000	21.8	38.1	42.3	44.8	47.1	47.6	48.5	49.0	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.3
≥14000	22.0	38.5	43.2	45.7	48.1	48.6	49.5	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3
≥12000	22.7	39.9	44.4	47.0	49.4	49.9	50.9	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.7
≥10000	23.2	41.8	46.5	49.3	51.4	52.4	53.3	53.8	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1
≥9000	23.8	42.5	47.3	50.2	52.7	53.4	54.3	54.8	54.8	55.0	55.1	55.1	55.2	55.2	55.2	55.2
≥8000	24.4	43.7	48.7	51.7	54.2	54.9	55.9	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8
≥7000	24.9	44.6	49.5	52.2	55.2	55.9	57.1	57.6	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0
≥6000	25.2	45.4	50.5	53.8	55.4	57.1	58.2	58.7	58.8	59.1	59.2	59.2	59.2	59.2	59.2	59.2
≥5000	25.6	46.6	51.7	55.2	57.9	58.6	59.7	60.3	60.4	60.6	60.7	60.7	60.8	60.8	60.8	60.8
≥4500	25.9	47.2	52.4	55.9	58.0	59.4	60.5	61.0	61.1	61.4	61.5	61.5	61.6	61.6	61.6	61.6
≥4000	26.2	48.0	53.3	56.9	59.8	60.6	61.8	62.4	62.5	62.7	62.8	62.8	62.9	62.9	62.9	62.9
≥3500	26.4	48.8	54.3	58.0	61.0	61.8	63.1	63.6	63.7	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥3000	26.7	50.1	55.9	59.8	63.0	63.8	65.1	65.7	65.8	66.1	66.2	66.2	66.3	66.3	66.3	66.3
≥2500	27.2	51.9	58.0	62.2	65.6	66.5	67.9	68.6	68.7	69.1	69.3	69.3	69.4	69.4	69.4	69.4
≥2000	27.7	54.2	60.9	65.3	69.1	70.0	71.6	72.5	72.6	73.0	73.2	73.2	73.3	73.3	73.3	73.3
≥1800	27.8	54.7	61.3	65.9	69.8	70.9	72.4	73.4	73.5	74.0	74.1	74.1	74.2	74.2	74.2	74.2
≥1500	28.2	56.6	63.9	68.3	72.4	73.4	75.1	76.2	76.3	76.8	77.0	77.0	77.1	77.1	77.1	77.1
≥1200	28.4	58.0	65.3	70.2	74.7	75.9	78.0	79.2	79.3	79.8	80.1	80.1	80.2	80.2	80.2	80.2
≥1000	28.5	58.7	66.1	71.4	76.4	77.6	79.9	81.3	81.5	82.2	82.7	82.7	82.8	82.8	82.8	82.8
≥900	28.5	58.8	66.5	72.0	77.2	78.5	80.9	82.4	82.6	83.3	83.9	83.9	84.0	84.0	84.0	84.0
≥800	28.5	59.1	67.0	72.5	78.0	79.4	82.1	83.6	83.9	85.0	85.6	85.6	85.8	85.8	85.8	85.8
≥700	28.5	59.2	67.3	72.9	78.6	80.0	82.9	84.7	85.0	86.2	86.9	86.9	87.1	87.2	87.2	87.2
≥600	28.6	59.4	67.6	73.2	79.1	80.6	84.1	86.0	86.3	87.8	88.7	88.8	89.1	89.1	89.1	89.1
≥500	28.6	59.5	67.9	73.7	79.8	81.3	85.2	87.3	87.8	89.3	90.6	90.7	91.1	91.1	91.2	91.2
≥400	28.6	59.5	67.9	73.7	80.1	81.9	86.1	88.5	89.0	91.1	92.4	92.4	92.9	93.0	93.0	93.1
≥300	28.6	59.5	67.9	73.8	80.3	82.1	86.6	89.1	89.7	92.3	93.9	94.0	94.5	94.5	94.6	94.7
≥200	28.6	59.5	67.9	73.8	80.3	82.2	86.6	89.3	89.8	92.8	94.8	95.1	95.6	95.7	96.2	96.4
≥100	28.6	59.5	67.9	73.8	80.3	82.2	86.8	89.4	89.9	93.1	95.2	95.5	96.5	96.6	97.5	98.3
≥0	28.6	59.5	67.9	73.8	80.3	82.2	86.8	89.4	89.9	95.1	95.3	95.5	96.6	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2100

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

14800  
STATION

CHICAGO AFB ILLINOIS/KANT, IL

27-70

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	21.7	36.0	20.7	40.9	43.1	43.6	44.3	44.6	44.6	44.8	44.8	44.8	44.8	44.9	44.9	45.3
≥ 20000	22.6	35.1	42.2	45.2	46.6	46.5	49.3	49.7	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.4
IV 18000	22.8	39.3	42.6	45.5	48.3	48.9	49.7	50.0	50.0	50.2	50.3	50.3	50.3	50.3	50.4	50.7
IV 16000	22.8	39.5	42.7	45.6	48.4	49.0	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.8
IV 14000	23.2	40.3	43.3	46.5	49.3	50.0	50.9	51.2	51.2	51.4	51.5	51.5	51.5	51.5	51.6	51.9
IV 12000	23.4	41.0	44.4	47.6	50.4	51.1	52.0	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.7	53.1
IV 10000	24.4	42.9	46.3	49.7	52.6	53.3	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.9	55.0	55.3
IV 9000	24.5	42.3	46.7	50.1	53.1	53.8	54.8	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.6	55.9
IV 8000	25.0	44.3	47.9	51.4	54.5	55.3	56.3	56.8	56.8	57.0	57.1	57.1	57.1	57.1	57.2	57.5
IV 7000	25.6	45.5	49.2	52.7	55.8	56.6	57.6	58.3	58.3	58.5	58.5	58.5	58.5	58.6	58.7	59.0
IV 6000	25.8	46.1	50.0	53.7	56.9	57.8	59.0	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.3
IV 5000	26.1	47.1	51.0	54.8	58.0	58.9	60.1	60.6	60.7	60.9	60.9	60.9	61.0	61.0	61.1	61.4
IV 4500	26.2	47.6	51.5	55.3	58.5	59.4	60.6	61.1	61.2	61.4	61.5	61.5	61.5	61.5	61.6	61.9
IV 4000	26.6	48.4	52.2	56.6	59.9	60.9	62.2	62.7	62.8	63.0	63.0	63.0	63.1	63.1	63.2	63.5
IV 3500	27.0	49.3	53.4	57.7	61.1	62.0	63.5	64.1	64.1	64.3	64.4	64.4	64.4	64.4	64.5	64.8
IV 3000	27.4	50.4	54.7	59.2	62.7	63.7	65.2	65.8	65.8	66.1	66.2	66.2	66.2	66.2	66.3	66.6
IV 2500	27.9	52.1	56.8	61.8	65.5	66.6	68.2	68.9	68.9	69.2	69.3	69.3	69.3	69.3	69.4	69.8
IV 2000	28.4	54.0	59.0	64.4	68.5	69.6	71.4	72.1	72.2	72.5	72.6	72.6	72.7	72.7	72.8	73.1
IV 1800	28.5	54.5	59.6	65.1	69.3	70.4	72.2	73.0	73.2	73.5	73.6	73.6	73.6	73.6	73.7	74.1
IV 1500	28.8	55.9	61.2	66.9	71.0	72.5	74.5	75.4	75.5	75.9	76.0	76.0	76.1	76.1	76.2	76.6
IV 1200	29.1	57.6	63.2	69.0	73.8	75.1	77.2	78.1	78.4	78.5	79.0	79.0	79.1	79.1	79.2	79.6
IV 1000	29.4	58.4	64.4	70.7	75.8	77.2	79.6	80.5	80.8	81.5	81.7	81.7	81.9	81.9	82.0	82.3
IV 900	29.5	58.7	65.1	71.5	76.7	78.1	80.5	81.7	82.0	82.7	83.0	83.0	83.2	83.2	83.3	83.7
IV 800	29.6	59.3	65.8	72.3	77.6	79.1	81.8	83.0	83.4	84.3	84.7	84.7	85.0	85.0	85.2	85.5
IV 700	29.7	59.5	66.1	72.5	78.2	79.8	82.7	84.1	84.5	85.5	85.9	85.9	86.2	86.3	86.4	86.7
IV 600	29.7	59.7	66.4	73.1	79.1	80.8	84.0	85.6	85.9	87.1	87.6	87.6	87.9	88.0	88.1	88.5
IV 500	29.7	59.7	66.6	73.5	79.7	81.5	84.9	86.8	87.3	88.5	89.2	89.2	89.7	89.7	89.9	90.4
IV 400	29.7	59.8	66.7	73.6	80.3	82.1	85.8	88.0	88.5	90.0	90.6	90.8	91.4	91.5	91.7	92.2
IV 300	29.7	59.8	66.7	73.6	80.4	82.2	86.1	88.5	89.2	90.9	91.9	91.9	92.7	92.8	93.0	93.6
IV 200	29.7	59.8	66.7	73.7	80.5	82.3	86.2	88.7	89.4	91.5	93.0	93.2	94.2	94.3	95.2	95.7
IV 100	29.7	59.8	66.7	73.7	80.5	82.3	86.3	88.9	89.6	91.9	93.8	94.0	95.5	95.8	97.0	98.1
IV 0	29.7	59.8	66.7	73.7	80.5	82.3	86.3	88.9	89.6	91.9	93.8	94.0	95.5	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

2100

USAF ETAC FORM 0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800 STATION CLEVELAND, OHIO/ILLINOIS/RENTON

17-64

YEARS

MO-TYP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0400  
HOURS TYP

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	15.3	34.5	37.2	40.2	42.3	43.0	44.2	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	45.1
≥ 20000	19.0	36.2	40.1	42.8	46.0	46.7	48.2	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	49.2
IV 18000	19.0	36.2	40.1	43.6	46.0	46.7	48.2	48.6	48.6	48.7	48.7	48.7	48.9	48.9	48.9	49.2
IV 16000	19.1	37.1	40.4	44.0	46.3	47.1	48.6	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3	49.5
IV 14000	19.2	37.7	41.0	44.5	47.1	47.8	49.4	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2	50.4
IV 12000	19.3	38.8	42.2	45.8	48.4	49.3	50.9	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7	51.9
IV 10000	20.1	39.9	43.3	47.0	49.6	50.5	52.1	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	53.1
IV 9000	20.4	40.4	43.8	47.6	50.2	51.1	52.6	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.8
IV 8000	21.3	42.5	46.3	50.1	53.1	54.0	55.7	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.5	56.7
IV 7000	21.0	44.1	47.9	52.0	54.9	55.8	57.5	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.4	58.6
IV 6000	22.4	45.5	49.6	53.9	56.8	57.8	59.6	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.6	60.8
IV 5000	22.7	46.9	51.2	55.5	58.6	59.7	61.5	62.1	62.1	62.3	62.3	62.3	62.4	62.4	62.5	62.7
IV 4500	22.9	47.3	51.7	56.3	59.4	60.6	62.5	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.7
IV 4000	23.1	48.7	53.3	58.3	61.3	62.5	64.5	65.1	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.7
IV 3500	23.4	49.8	54.6	59.7	62.8	64.0	66.0	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.3
IV 3000	23.8	51.4	56.3	61.6	64.8	66.2	68.0	68.7	68.7	68.9	68.9	68.9	69.0	69.0	69.1	69.3
IV 2500	24.1	53.0	58.3	63.9	67.5	68.9	71.0	71.6	71.6	71.9	71.9	71.9	72.0	72.0	72.1	72.3
IV 2000	24.4	55.0	60.6	66.6	71.0	72.6	74.9	75.6	75.6	76.0	76.0	76.0	76.2	76.2	76.2	76.5
IV 1800	24.7	56.7	61.3	67.3	71.8	73.4	75.8	76.4	76.4	76.8	76.8	76.9	77.1	77.1	77.1	77.4
IV 1500	25.0	58.8	62.8	69.2	73.9	75.6	78.2	78.9	78.9	79.4	79.4	79.4	79.7	79.7	79.7	80.0
IV 1200	25.4	57.9	64.2	71.0	76.1	77.8	80.6	81.3	81.4	82.0	82.1	82.1	82.3	82.3	82.3	82.6
IV 1000	25.5	58.9	65.6	72.7	78.4	80.1	83.1	84.0	84.1	85.0	85.1	85.1	85.4	85.4	85.4	85.7
IV 900	25.5	59.2	66.0	73.2	79.3	81.1	84.2	85.3	85.4	86.3	86.3	86.3	86.5	86.5	86.7	87.0
IV 800	25.5	59.5	66.4	73.7	79.9	81.7	85.1	86.3	86.3	87.4	87.6	87.6	87.8	87.8	87.8	88.1
IV 700	25.5	59.7	66.7	74.0	80.4	82.3	86.0	87.3	87.4	88.7	88.9	88.9	89.1	89.1	89.2	89.4
IV 600	25.5	59.7	66.8	74.3	80.8	82.7	87.0	88.6	88.8	90.2	90.3	90.3	90.6	90.6	90.7	90.9
IV 500	25.5	59.8	66.8	74.5	81.0	82.9	87.4	89.2	89.4	91.0	91.4	91.4	91.7	91.7	91.8	92.1
IV 400	25.5	59.9	67.0	74.6	81.3	83.2	87.7	89.8	90.1	92.1	92.5	92.5	93.0	93.0	93.2	93.4
IV 300	25.5	60.0	67.0	74.7	81.5	83.4	88.0	90.3	90.6	92.8	93.5	93.5	94.3	94.4	94.5	94.9
IV 200	25.5	60.0	67.1	74.8	81.7	83.6	88.4	90.7	91.0	93.7	94.6	94.6	95.7	95.8	96.1	96.7
IV 100	25.5	60.0	67.1	74.8	81.7	83.6	88.4	90.8	91.1	94.0	95.1	95.2	96.6	96.7	97.3	98.2
IV 0	25.5	60.0	67.1	74.8	81.7	83.6	88.4	90.8	91.1	94.0	95.1	95.3	96.9	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2313

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

14805  
STATION

CHARLES AFB ILLINOIS/AMTOL

37-63

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0300  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	10.0	31.5	34.6	37.4	40.2	40.7	41.6	41.9	41.9	42.1	42.1	42.2	42.2	42.2	42.3	42.3
IV 18000	10.8	34.3	37.7	40.6	43.7	44.2	45.4	45.8	45.8	46.0	46.0	46.1	46.1	46.1	46.2	46.2
IV 16000	10.8	34.4	37.9	40.9	44.1	44.7	45.8	46.3	46.3	46.5	46.5	46.5	46.5	46.6	46.6	46.7
IV 14000	10.9	35.3	38.8	41.3	45.2	45.8	47.0	47.5	47.5	47.7	47.7	47.8	47.8	47.8	47.9	47.9
IV 12000	17.3	30.4	40.2	43.3	46.7	47.2	48.0	49.1	49.1	49.3	49.3	49.4	49.4	49.4	49.5	49.6
IV 10000	17.7	37.0	41.0	44.4	47.9	48.5	50.3	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.2	51.3
IV 9000	15.2	37.7	41.8	45.2	48.7	49.4	51.2	51.8	51.8	52.0	52.1	52.1	52.1	52.1	52.2	52.3
IV 8000	19.1	39.1	43.3	47.0	50.7	51.4	53.3	53.8	53.8	54.1	54.1	54.2	54.2	54.2	54.3	54.4
IV 7000	19.9	40.4	44.8	48.6	52.3	53.0	54.9	55.6	55.6	55.8	55.9	55.9	55.9	56.0	56.0	56.1
IV 6000	20.0	41.6	46.0	50.3	54.2	55.1	57.1	57.8	57.8	58.0	58.1	58.2	58.2	58.3	58.3	58.4
IV 5000	20.4	43.0	46.2	52.6	56.7	57.7	59.6	60.4	60.4	60.7	60.8	60.8	60.8	60.9	60.9	61.0
IV 4500	20.5	43.9	46.9	53.5	57.5	58.6	60.7	61.3	61.3	61.6	61.7	61.7	61.8	61.8	61.9	61.9
IV 4000	20.6	44.2	50.0	54.8	58.9	60.1	62.2	62.9	62.9	63.2	63.3	63.3	63.3	63.4	63.4	63.5
IV 3500	21.1	45.8	51.1	56.0	60.1	61.4	63.6	64.3	64.3	64.6	64.7	64.7	64.8	64.8	64.9	65.0
IV 3000	21.2	46.7	52.4	57.3	61.7	62.9	65.4	66.1	66.1	66.4	66.5	66.6	66.6	66.7	66.7	66.8
IV 2500	21.3	47.9	54.1	59.3	63.7	65.0	67.7	68.5	68.5	68.9	69.0	69.0	69.1	69.1	69.2	69.2
IV 2000	21.5	50.3	56.9	62.8	67.1	68.4	71.6	72.6	72.6	73.1	73.3	73.3	73.4	73.4	73.4	73.5
IV 1800	21.9	50.8	57.5	63.4	68.2	69.5	72.8	73.9	73.9	74.5	74.6	74.6	74.7	74.7	74.8	74.9
IV 1500	22.3	52.3	59.3	65.5	70.5	72.0	75.5	76.7	76.7	77.3	77.4	77.5	77.5	77.6	77.6	77.7
IV 1200	22.7	54.0	61.3	68.2	73.6	75.1	78.8	80.2	80.2	80.8	80.9	81.0	81.1	81.1	81.2	81.3
IV 1000	22.8	55.0	62.7	69.9	75.9	77.5	81.5	83.0	83.0	83.9	84.0	84.1	84.2	84.3	84.3	84.4
IV 900	22.9	55.5	63.3	70.7	76.8	78.4	82.5	84.1	84.2	85.1	85.2	85.4	85.4	85.5	85.7	85.7
IV 800	22.9	55.8	63.8	71.3	77.6	79.3	83.7	85.6	85.6	86.6	86.8	86.9	87.1	87.1	87.2	87.3
IV 700	23.0	56.1	64.1	71.6	78.2	80.1	84.6	86.6	86.7	87.8	88.1	88.2	88.3	88.4	88.5	88.6
IV 600	23.0	56.3	64.4	72.2	78.9	80.8	85.6	87.9	87.9	89.3	89.7	89.9	89.9	90.0	90.1	90.2
IV 500	23.0	56.3	64.7	72.6	79.5	81.6	87.0	89.5	89.6	91.3	91.7	91.9	92.1	92.2	92.4	92.5
IV 400	23.0	56.3	64.7	72.7	79.7	81.9	87.5	90.2	90.4	92.3	92.8	93.0	93.3	93.4	93.7	93.7
IV 300	23.0	56.4	64.7	72.7	79.7	82.0	87.7	90.6	90.7	92.8	93.6	93.9	94.3	94.4	94.7	94.8
IV 200	23.0	56.4	64.7	72.7	79.8	82.0	87.8	90.8	91.0	93.2	94.3	94.3	95.4	95.5	95.8	95.9
IV 100	23.0	56.4	64.7	72.7	79.8	82.0	87.9	90.9	91.1	93.5	95.1	95.4	96.5	96.7	97.7	98.0
IV 0	23.0	56.4	64.7	72.7	79.8	82.0	87.9	90.9	91.1	93.5	95.3	95.6	96.8	97.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2266

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

14600  
STATION

CHRON OF APR ILLINOIS/AMTOL  
STATION NAME

37-70  
YEARS

MONTH

0400-0800  
HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	14.0	26.4	29.6	32.5	35.1	35.9	36.8	37.4	37.6	38.1	38.2	38.2	38.5	38.5	38.6	38.7
IV 18000	15.4	29.6	33.0	36.7	39.9	40.9	42.1	42.9	43.1	43.8	43.9	43.9	44.3	44.3	44.3	44.4
IV 16000	15.4	29.6	33.0	36.7	39.9	40.9	42.1	42.9	43.1	43.8	43.9	43.9	44.3	44.3	44.3	44.4
IV 14000	15.4	30.9	34.5	37.9	40.9	42.0	43.2	44.1	44.3	45.0	45.0	45.1	45.4	45.4	45.5	45.6
IV 12000	15.4	31.8	35.9	39.5	42.8	43.8	45.2	46.1	46.3	47.0	47.1	47.2	47.5	47.5	47.6	47.7
IV 10000	16.8	33.4	37.9	41.7	45.2	46.4	48.0	48.9	49.1	49.8	49.9	50.0	50.3	50.3	50.4	50.5
IV 8000	17.3	34.1	38.6	42.4	46.2	47.4	49.0	49.9	50.2	50.9	51.0	51.0	51.4	51.4	51.4	51.5
IV 7000	17.3	36.2	41.0	45.3	49.0	50.3	52.0	53.1	53.3	54.1	54.1	54.2	54.6	54.6	54.7	54.8
IV 6000	18.1	37.1	42.0	46.5	50.3	51.7	53.5	54.7	54.9	55.6	55.7	55.8	56.2	56.2	56.2	56.3
IV 5000	18.4	38.0	43.1	47.9	51.9	53.3	55.2	56.3	56.6	57.3	57.4	57.5	57.9	57.9	57.9	58.0
IV 4500	18.6	39.3	44.3	49.3	53.7	55.2	57.1	58.4	58.6	59.4	59.5	59.6	60.0	60.0	60.0	60.1
IV 4000	18.6	40.0	45.5	50.5	54.8	56.3	58.2	59.5	59.8	60.6	60.7	60.7	61.1	61.1	61.2	61.3
IV 3500	19.0	41.3	47.1	52.2	56.8	58.2	60.4	61.8	62.1	62.9	63.1	63.1	63.5	63.5	63.6	63.7
IV 3000	19.4	42.2	48.0	53.3	57.9	59.8	61.8	63.5	63.8	64.7	64.8	64.9	65.3	65.3	65.4	65.5
IV 2500	19.5	42.7	48.7	54.2	59.3	61.0	63.5	65.2	65.5	66.4	66.6	66.7	67.1	67.1	67.2	67.3
IV 2000	20.2	43.9	50.1	55.9	61.2	62.9	65.6	67.5	67.8	68.8	68.9	69.0	69.4	69.4	69.5	69.7
IV 1800	20.9	46.0	52.4	58.5	63.9	65.9	68.9	70.8	71.3	72.4	72.6	72.7	73.2	73.2	73.2	73.4
IV 1500	20.9	46.5	52.9	59.0	64.6	66.5	69.7	71.6	72.1	73.3	73.5	73.5	74.0	74.0	74.1	74.2
IV 1200	21.3	48.1	54.7	60.9	66.7	68.8	72.3	74.3	74.8	76.1	76.4	76.5	76.9	76.9	77.0	77.1
IV 1000	21.7	49.4	56.5	63.4	69.7	71.8	75.4	77.5	78.1	79.5	79.9	80.1	80.6	80.6	80.7	80.8
IV 900	21.8	50.2	57.9	65.2	71.7	73.8	77.8	80.0	80.5	82.3	82.8	82.9	83.5	83.5	83.6	83.9
IV 800	21.9	50.5	58.2	65.5	72.2	74.3	78.3	80.6	81.2	83.0	83.5	83.7	84.3	84.3	84.4	84.6
IV 700	22.0	50.8	58.4	65.8	72.8	75.0	79.3	81.6	82.3	84.2	84.9	85.1	85.7	85.7	85.8	86.0
IV 600	22.0	51.1	58.8	66.3	73.5	75.8	80.4	82.7	83.5	85.5	86.1	86.3	87.0	87.0	87.1	87.3
IV 500	22.0	51.4	59.1	66.7	74.0	76.5	81.6	84.3	85.2	87.6	88.5	88.7	89.4	89.5	89.6	89.9
IV 400	22.0	51.6	59.3	67.2	74.8	77.3	83.3	86.4	87.5	90.5	91.7	92.0	92.9	92.9	93.1	93.2
IV 300	22.0	51.8	59.5	67.2	75.0	77.5	83.6	86.8	88.0	91.3	92.8	93.1	94.3	94.4	94.6	94.8
IV 200	22.0	51.8	59.5	67.2	75.0	77.6	83.7	87.0	88.2	91.8	93.6	94.0	95.4	95.7	96.0	96.4
IV 100	22.0	51.8	59.5	67.2	75.0	77.6	83.7	87.0	88.2	91.8	93.6	94.0	95.4	95.7	96.0	96.4
IV 0	22.0	51.8	59.5	67.2	75.0	77.6	83.7	87.0	88.2	91.8	93.6	94.0	95.4	95.7	96.0	96.4

TOTAL NUMBER OF OBSERVATIONS

2725



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

GRANDIA AFB ILLINOIS/RA:ITDUL  
STATION NAME

37-70  
YEARS

YEARS

155  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅔	≥0
NO CEILING	19.5	31.3	33.9	35.9	37.9	38.1	38.7	38.9	39.0	39.2	39.3	39.3	39.4	39.4	39.4	39.5
≥ 20000	21.4	35.5	38.9	41.8	44.3	44.6	45.3	45.7	45.7	46.1	46.2	46.2	46.2	46.2	46.3	46.3
≥ 18000	21.5	35.4	39.0	42.0	44.6	44.9	45.6	46.0	46.0	46.4	46.4	46.5	46.5	46.5	46.6	46.6
≥ 16000	21.6	35.0	39.2	42.2	44.8	45.1	45.8	46.2	46.2	46.6	46.7	46.7	46.8	46.8	46.9	46.9
≥ 14000	21.7	34.1	39.4	42.5	45.2	45.4	46.1	46.5	46.6	46.9	47.0	47.0	47.1	47.1	47.1	47.2
≥ 12000	22.3	37.4	40.6	43.9	46.7	47.0	47.7	48.1	48.1	48.6	48.6	48.7	48.7	48.7	48.8	48.8
≥ 10000	23.3	39.9	43.0	46.7	49.6	50.2	50.9	51.3	51.4	51.9	52.0	52.0	52.0	52.0	52.1	52.1
≥ 9000	23.8	40.2	44.5	47.8	50.9	51.3	52.1	52.6	52.7	53.1	53.2	53.2	53.3	53.3	53.4	53.4
≥ 8000	24.4	42.5	45.5	50.0	53.4	53.8	54.6	55.2	55.2	55.7	55.8	55.8	55.9	55.9	55.9	56.0
≥ 7000	24.2	44.8	48.2	51.9	55.4	55.9	56.7	57.2	57.3	57.8	57.9	57.9	57.9	57.9	58.0	58.0
≥ 6000	25.0	44.6	49.0	52.8	56.4	56.9	57.9	58.5	58.5	59.1	59.2	59.2	59.3	59.3	59.4	59.4
≥ 5000	25.2	45.7	50.4	54.2	58.0	58.4	59.0	60.3	60.4	61.1	61.2	61.2	61.2	61.2	61.3	61.3
≥ 4500	25.4	46.2	50.9	54.8	58.7	59.4	60.5	61.2	61.2	61.9	62.0	62.0	62.1	62.1	62.1	62.2
≥ 4000	25.7	47.2	52.2	56.4	60.7	61.3	62.0	62.3	62.4	63.1	63.2	63.2	63.3	63.3	63.4	63.4
≥ 3500	25.9	47.8	52.9	57.3	61.6	62.3	63.5	64.3	64.4	65.1	65.3	65.3	65.4	65.4	65.4	65.5
≥ 3000	26.3	48.9	54.1	58.8	63.2	63.9	65.3	66.1	66.2	67.0	67.2	67.2	67.3	67.3	67.4	67.4
≥ 2500	26.7	49.9	55.0	60.5	65.1	65.9	67.5	68.4	68.6	69.4	69.6	69.6	69.7	69.7	69.8	69.9
≥ 2000	27.3	51.9	56.2	63.3	68.4	69.2	71.1	72.2	72.3	73.6	73.9	73.9	73.7	73.7	73.8	73.8
≥ 1800	27.8	52.0	59.1	64.2	69.4	70.3	72.3	73.4	73.7	74.6	74.8	74.8	75.0	75.0	75.0	75.1
≥ 1500	28.1	54.5	51.2	66.8	72.2	73.1	75.5	76.7	76.9	78.0	78.2	78.3	78.4	78.4	78.4	78.5
≥ 1200	28.8	56.2	63.4	69.2	75.0	76.0	78.6	80.1	80.4	81.5	81.8	81.8	81.9	81.9	82.0	82.0
≥ 1000	29.0	57.0	64.3	70.3	76.3	77.3	80.6	82.2	82.6	84.2	84.6	84.6	84.8	84.8	84.9	85.0
≥ 900	29.0	57.3	64.7	70.8	77.0	78.2	81.4	83.0	83.4	85.1	85.6	85.6	85.8	85.8	85.9	86.0
≥ 800	29.0	57.8	65.1	71.3	77.8	79.2	82.7	84.5	84.9	86.7	87.3	87.3	87.5	87.5	87.6	87.7
≥ 700	29.0	57.9	65.4	71.7	78.4	80.0	83.5	85.7	86.2	88.1	88.7	88.7	89.1	89.1	89.2	89.2
≥ 600	29.0	57.9	65.6	72.1	78.8	80.7	84.4	86.8	87.6	89.6	90.3	90.3	90.7	90.7	90.8	90.9
≥ 500	29.0	58.0	65.8	72.2	79.2	81.1	85.1	87.9	88.9	91.1	91.9	92.0	92.5	92.5	92.6	92.7
≥ 400	29.0	58.0	65.9	72.5	79.5	81.6	86.1	89.1	90.1	92.6	93.4	93.4	94.2	94.2	94.4	94.4
≥ 300	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.5	90.5	93.5	94.6	94.6	95.0	95.0	95.2	95.2
≥ 200	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.7	95.9	97.4	97.7	98.0	98.0
≥ 100	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.8	96.0	97.8	98.1	98.6	98.9
≥ 0	29.0	58.0	66.0	72.6	79.6	81.7	86.3	89.7	90.8	94.1	95.8	96.1	97.8	98.2	98.6	LOC.

TOTAL NUMBER OF OBSERVATIONS

2617

USAF ETAC FORM 10-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14000  
STATION

14000 APR ILLINOIS/AMHJOL

17-70

YEARS

17  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS IST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	25.4	35.6	37.3	38.3	38.7	38.8	39.0	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	25.4	41.7	44.3	45.8	46.4	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	25.0	42.3	44.9	46.0	46.7	46.9	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	24.2	42.3	45.0	46.5	47.2	47.4	47.5	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	24.4	42.3	45.5	47.1	47.8	48.0	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	24.0	44.2	46.0	48.5	49.1	49.4	49.6	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 1000	31.1	46.0	48.8	50.4	51.4	51.6	51.8	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
IV 800	31.5	46.5	49.3	51.4	52.2	52.4	52.6	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
IV 6000	32.1	48.2	51.4	53.3	54.3	54.6	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
IV 5000	32.3	49.3	52.2	54.7	55.8	56.1	56.3	56.4	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7
IV 4500	32.8	50.1	53.6	55.9	57.0	57.3	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
IV 4000	33.2	51.5	55.0	57.6	58.8	59.2	59.7	59.8	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1
IV 3500	33.6	52.7	56.5	59.1	60.4	61.0	61.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 3000	34.0	53.2	57.0	60.1	61.7	62.0	62.3	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	34.4	54.1	58.3	61.4	63.4	63.8	64.3	64.4	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1
IV 2000	35.2	55.5	61.1	64.6	66.7	67.4	67.9	68.7	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1
IV 1800	36.8	60.0	65.5	69.1	71.8	72.4	73.0	74.0	74.1	74.3	74.4	74.4	74.4	74.5	74.5	74.5
IV 1500	35.9	61.5	66.7	70.6	73.3	73.9	74.5	75.6	75.7	75.9	76.0	76.0	76.0	76.1	76.1	76.1
IV 1200	37.3	63.1	68.6	73.0	76.2	76.8	77.8	78.9	79.1	79.3	79.4	79.5	79.6	79.6	79.6	79.6
IV 1000	37.6	64.5	70.7	75.3	78.9	79.5	80.7	81.9	82.1	82.5	82.7	82.8	83.0	83.0	83.0	83.0
IV 900	37.6	65.6	72.1	77.3	81.3	82.2	83.8	85.4	85.7	86.1	86.8	86.9	87.2	87.2	87.2	87.3
IV 800	37.6	65.8	72.5	77.7	82.2	83.3	85.2	87.1	87.4	88.3	88.9	89.0	89.4	89.4	89.4	89.4
IV 700	37.6	65.9	72.9	78.0	82.6	84.0	86.0	88.1	88.4	89.6	90.0	90.1	90.5	90.5	90.5	90.6
IV 600	37.6	65.9	73.0	78.7	83.6	85.2	87.6	90.3	90.9	92.5	93.1	93.3	93.8	93.8	93.8	93.9
IV 500	37.6	66.0	73.1	78.8	83.9	85.6	88.1	91.3	91.9	93.9	94.9	95.1	95.8	95.8	96.1	96.2
IV 400	37.6	66.0	73.1	78.8	83.9	85.7	88.2	91.6	92.3	94.6	95.7	95.9	96.9	97.0	97.3	97.4
IV 300	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.1	96.4	96.7	97.8	98.0	98.4	98.5
IV 200	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.2	96.5	96.5	98.1	98.2	98.9	99.1
IV 100	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.2	96.5	96.5	98.2	98.4	99.1	100.0
IV 0	37.6	66.0	73.1	78.8	83.9	85.7	88.3	91.9	92.6	95.2	96.5	96.5	98.2	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2000

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CLEARING AIR ILLUMINATING/RAINFALL  
STATION NAME

37-70  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	35.7	34.7	30.5	37.2	38.3	39.5	30.6	38.7	38.7	39.9	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	39.4	41.3	43.7	45.9	46.3	46.4	46.5	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	39.5	41.4	44.0	45.8	46.6	46.8	46.9	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	39.7	41.6	44.4	46.2	46.9	47.1	47.2	47.6	47.7	47.6	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	40.1	42.3	45.2	47.1	47.8	48.0	48.1	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	40.7	43.4	46.7	48.5	49.5	49.6	49.7	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	41.3	45.1	48.4	50.3	51.4	51.0	51.8	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	31.9	46.1	49.4	51.4	52.6	52.8	53.0	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	32.8	46.8	51.5	53.6	54.5	55.1	55.4	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	32.9	49.1	52.8	55.0	56.4	56.7	57.0	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 6000	33.1	50.3	54.0	56.4	57.9	58.2	58.6	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	33.6	51.2	55.2	57.4	59.2	59.4	59.9	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4500	33.9	51.9	55.8	58.4	60.0	60.3	60.8	61.3	61.4	61.3	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	34.3	52.7	56.7	59.4	61.1	61.3	62.0	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 3500	35.3	54.1	58.2	60.9	62.8	63.1	63.7	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 3000	36.3	56.2	60.4	63.3	65.4	65.9	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2500	36.1	59.3	63.9	67.1	69.2	69.7	70.4	71.1	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5
≥ 2000	39.0	62.6	67.7	71.3	73.0	74.2	75.1	75.9	76.0	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1800	39.2	63.2	68.5	72.2	74.6	75.2	76.2	77.0	77.2	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1500	39.3	64.4	70.2	74.4	77.4	78.1	79.4	80.3	80.5	81.1	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1200	39.4	65.3	71.4	76.1	79.7	80.7	82.1	83.3	83.5	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 1000	39.5	65.8	72.2	77.5	81.5	82.7	84.3	85.8	86.1	87.0	87.1	87.2	87.3	87.3	87.3	87.3
≥ 900	39.5	65.8	72.3	77.7	81.8	83.1	85.0	86.7	86.9	87.9	88.1	88.1	88.3	88.3	88.3	88.3
≥ 800	39.5	65.9	72.5	78.1	82.4	83.8	86.0	87.9	88.2	89.3	89.5	89.6	89.8	89.8	89.8	89.8
≥ 700	39.5	66.0	72.6	78.3	82.8	84.2	86.6	88.7	89.0	90.1	90.4	90.6	90.8	90.8	90.8	90.8
≥ 600	39.5	66.0	72.7	78.4	83.0	84.5	86.9	89.4	89.7	90.9	91.3	91.4	91.7	91.7	91.7	91.7
≥ 500	39.5	66.0	72.8	78.6	83.4	85.0	87.8	90.6	91.0	92.4	92.9	93.1	93.4	93.4	93.4	93.4
≥ 400	39.5	66.0	72.8	78.6	83.4	85.0	87.9	90.9	91.5	93.4	94.4	95.1	95.2	95.2	95.2	95.2
≥ 300	39.5	66.0	72.8	78.6	83.4	85.1	88.0	91.3	91.9	94.3	95.4	96.1	96.6	96.6	96.6	96.6
≥ 200	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.3	97.2	97.6	97.6	97.6
≥ 100	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.3	97.5	97.9	98.4	98.4
≥ 0	39.5	66.0	72.8	78.6	83.4	85.2	88.0	91.3	92.0	94.6	96.0	96.4	97.5	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2874

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1986  
STATION

1986 APR ILLINOIS/KATLOL  
STATION NAME

37-79  
YEARS

1 FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	24.8	14.2	40.2	42.7	43.9	44.2	44.7	44.7	44.9	44.9	45.0	45.0	45.1	45.1	45.1	45.1
≥ 20000	20.5	42.0	44.7	47.5	49.3	49.7	50.3	50.3	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9
IV 18000	10.7	42.2	45.0	48.0	49.6	50.0	50.6	50.8	51.0	51.0	51.1	51.1	51.2	51.2	51.3	51.3
IV 16000	10.7	42.4	45.2	48.2	49.8	50.2	50.9	51.1	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5
IV 14000	20.9	43.2	46.3	49.4	51.0	51.4	52.0	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.7	52.7
IV 12000	27.8	44.4	47.4	50.6	52.2	52.6	53.3	53.5	53.6	53.7	53.8	53.8	53.9	53.9	53.9	53.9
IV 10000	20.5	45.7	48.8	52.7	53.4	54.3	54.9	55.2	55.3	55.4	55.5	55.5	55.6	55.6	55.6	55.6
IV 9000	20.9	46.3	49.6	53.0	54.4	55.2	55.9	56.1	56.3	56.4	56.4	56.4	56.5	56.5	56.6	56.6
IV 8000	29.9	48.2	51.7	55.2	57.0	57.5	58.2	58.5	58.6	58.7	58.8	58.8	58.9	58.9	58.9	58.9
IV 7000	40.6	49.7	53.3	56.9	59.3	59.4	60.2	60.5	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9
IV 6000	51.0	50.4	54.2	58.0	60.1	60.6	61.5	61.9	62.0	62.1	62.2	62.2	62.3	62.3	62.3	62.3
IV 5000	51.4	51.3	55.5	59.5	61.7	62.2	63.1	63.5	63.6	63.7	63.8	63.9	63.9	63.9	64.0	64.0
IV 4500	51.5	51.7	56.0	60.1	62.3	62.8	63.8	64.2	64.3	64.4	64.5	64.5	64.5	64.7	64.7	64.7
IV 4000	52.0	52.8	57.3	61.6	63.9	64.4	65.5	65.9	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.5
IV 3500	52.6	54.2	58.8	63.3	65.7	66.3	67.3	67.7	67.9	68.1	68.2	68.2	68.3	68.3	68.3	68.3
IV 3000	53.2	55.9	60.7	65.4	67.6	68.6	69.7	70.1	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7
IV 2500	53.9	57.0	62.7	67.9	70.7	71.5	72.6	73.2	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.0
IV 2000	54.5	60.3	66.1	72.0	75.2	76.1	77.5	78.2	78.4	78.8	79.0	79.0	79.1	79.1	79.2	79.2
IV 1800	54.8	60.9	66.8	72.8	76.1	76.9	78.4	79.2	79.4	79.9	80.1	80.1	80.2	80.2	80.3	80.3
IV 1500	55.1	61.5	68.0	74.4	78.1	79.1	80.7	81.6	81.9	82.4	82.6	82.6	82.8	82.8	82.9	82.9
IV 1200	55.2	62.8	69.5	76.2	80.2	81.4	83.3	84.2	84.6	85.2	85.5	85.5	85.7	85.7	85.7	85.8
IV 1000	55.3	63.3	70.4	77.7	81.9	83.2	85.3	86.5	86.8	87.6	87.8	87.8	88.2	88.2	88.2	88.2
IV 900	55.3	63.4	70.7	78.1	82.5	83.9	86.3	87.4	87.8	88.6	88.9	88.9	89.2	89.2	89.3	89.3
IV 800	55.3	63.6	71.0	78.6	83.2	84.6	87.2	88.5	88.9	89.7	90.0	90.0	90.3	90.4	90.4	90.5
IV 700	55.3	63.8	71.3	79.0	84.0	85.5	88.3	90.0	90.5	91.6	92.2	92.3	92.7	92.7	92.7	92.8
IV 600	55.3	63.9	71.4	79.2	84.3	85.8	88.9	90.8	91.4	92.9	93.6	93.8	94.3	94.3	94.4	94.4
IV 500	55.3	63.9	71.5	79.2	84.4	85.9	89.0	91.0	91.6	93.4	94.4	94.5	95.2	95.2	95.3	95.4
IV 400	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4
IV 300	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4
IV 200	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4
IV 100	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4
IV 0	55.3	63.9	71.5	79.2	84.5	86.0	89.2	91.3	92.0	93.9	95.1	95.2	95.9	96.0	96.3	96.4

TOTAL NUMBER OF OBSERVATIONS

2800

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANGE APP ILLUMINANCE/RAINFALL

37-70

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS -1511

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	47.4	49.3	49.4	49.7	47.6	47.7	48.5	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.3	49.4
≥ 20000	76.8	43.3	47.0	50.3	51.5	51.7	52.5	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.4
≥ 18000	48.6	43.3	47.2	50.3	51.6	51.9	52.7	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.5	53.6
≥ 16000	40.6	43.4	47.2	50.7	51.8	52.2	53.0	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.8	53.9
≥ 14000	26.7	43.8	47.8	51.2	52.5	52.8	53.6	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.5
≥ 12000	29.1	44.4	48.4	51.9	53.2	53.5	54.3	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 10000	29.8	45.5	50.0	53.6	55.1	55.4	56.2	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.1
≥ 9000	30.3	46.7	50.9	54.5	56.0	56.4	57.2	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.1
≥ 8000	31.4	48.5	53.1	56.9	58.6	58.9	59.7	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.6
≥ 7000	32.0	50.4	55.1	58.9	60.7	61.1	62.0	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.8	62.9
≥ 6000	32.3	51.6	56.4	60.2	62.0	62.4	63.3	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.2
≥ 5000	33.0	53.1	58.0	62.0	64.0	64.4	65.4	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.4
≥ 4500	33.2	53.5	58.4	62.5	64.6	65.0	66.1	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.1
≥ 4000	33.5	54.5	59.0	64.0	66.0	66.5	67.6	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.6
≥ 3500	34.0	55.8	61.0	65.4	67.6	68.0	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 3000	34.4	57.3	62.6	67.1	69.4	69.9	71.1	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.2	72.3
≥ 2500	34.8	58.9	64.6	69.3	71.8	72.4	73.7	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.8	74.9
≥ 2000	35.0	60.6	67.1	72.0	74.8	75.5	77.0	77.7	77.8	78.2	78.3	78.3	78.3	78.3	78.4	78.5
≥ 1800	35.1	61.1	67.9	72.9	75.8	76.5	78.0	78.8	78.9	79.3	79.4	79.4	79.5	79.5	79.6	79.7
≥ 1500	35.6	62.4	69.0	74.8	77.8	78.5	80.2	81.2	81.4	81.8	81.9	81.9	82.0	82.0	82.2	82.3
≥ 1200	35.9	63.4	71.1	76.7	79.8	80.7	82.6	83.8	84.0	84.5	84.7	84.7	84.8	84.8	84.9	85.0
≥ 1000	35.9	64.2	72.4	78.2	81.3	82.4	84.4	85.9	86.1	87.0	87.2	87.2	87.3	87.3	87.4	87.5
≥ 900	36.0	64.6	72.8	78.6	82.1	83.1	85.3	86.9	87.1	88.0	88.2	88.2	88.4	88.4	88.5	88.6
≥ 800	36.0	64.7	73.1	78.9	82.8	83.8	86.1	87.9	88.2	89.1	89.5	89.5	89.7	89.7	89.8	89.9
≥ 700	36.0	65.0	73.3	79.3	83.4	84.5	86.9	88.8	89.1	90.2	90.7	90.7	90.8	90.8	91.0	91.1
≥ 600	36.0	65.1	73.7	79.7	83.7	84.8	87.2	89.3	89.6	91.0	91.6	91.6	91.8	91.8	92.0	92.1
≥ 500	36.0	65.2	73.9	80.0	84.1	85.3	87.8	90.3	90.7	92.2	92.9	93.0	93.2	93.2	93.3	93.4
≥ 400	36.0	65.2	74.0	80.2	84.4	85.6	88.2	90.9	91.3	93.1	93.8	94.0	94.4	94.4	94.5	94.7
≥ 300	36.0	65.2	74.1	80.2	84.5	85.8	88.5	91.3	91.7	93.8	94.5	94.7	95.2	95.2	95.4	95.5
≥ 200	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.0	94.4	95.4	95.6	96.4	96.5	96.9	97.2
≥ 100	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.2	94.8	95.9	96.1	97.0	97.2	97.9	98.4
≥ 0	36.0	65.2	74.1	80.2	84.6	85.9	88.7	91.6	92.2	94.8	95.9	96.2	97.3	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

2830

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

19806  
STATION

CHANDLER AFB ILLINOIS/KANTOOL  
STATION NAME

17-64  
YEARS

YEAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	22.3	37.3	40.1	42.3	43.6	44.4	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3
IV 18000	23.9	41.7	44.5	46.9	48.7	49.3	49.9	50.2	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4
IV 16000	24.0	42.0	44.9	47.3	49.1	49.7	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7
IV 14000	24.2	42.5	45.0	48.2	50.0	50.7	51.3	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 12000	24.9	44.1	47.3	50.1	52.0	52.7	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7
IV 10000	25.9	46.4	49.6	52.5	54.5	55.1	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.3
IV 9000	26.3	47.2	50.0	53.4	55.4	56.1	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 8000	27.3	49.9	53.5	56.4	58.5	59.2	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4
IV 7000	28.7	51.3	55.1	58.3	60.6	61.2	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4
IV 6000	29.4	52.7	56.6	60.1	62.5	63.3	63.9	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	29.7	54.1	58.3	61.9	64.4	65.2	65.9	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5
IV 4500	29.9	54.7	59.0	62.7	65.2	65.9	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2
IV 4000	30.7	56.6	61.2	65.1	67.8	68.6	69.4	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9
IV 3500	31.1	58.1	63.1	67.2	69.9	70.6	71.5	71.8	71.8	72.0	72.0	72.0	72.0	72.1	72.1	72.1
IV 3000	31.5	59.9	65.4	69.7	72.2	73.3	74.2	74.6	74.6	74.8	74.8	74.8	74.8	74.9	74.9	74.9
IV 2500	32.4	62.2	67.9	72.4	75.5	76.2	77.2	77.5	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8
IV 2000	33.0	64.4	70.2	75.1	78.4	79.2	80.4	80.8	80.9	81.1	81.1	81.1	81.1	81.2	81.2	81.2
IV 1800	33.1	64.8	70.8	75.8	79.4	80.1	81.3	81.8	81.9	82.1	82.1	82.1	82.1	82.2	82.2	82.2
IV 1500	33.5	65.8	72.0	77.3	81.1	81.9	83.1	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 1200	33.7	66.9	73.5	79.3	83.2	84.1	85.4	86.1	86.2	86.4	86.5	86.5	86.5	86.6	86.6	86.6
IV 1000	33.7	67.2	74.1	80.1	84.5	85.4	87.0	87.8	87.9	88.4	88.4	88.4	88.4	88.6	88.6	88.6
IV 900	33.8	67.5	74.4	80.4	84.8	85.6	87.6	88.4	88.5	89.0	89.1	89.1	89.1	89.2	89.2	89.2
IV 800	33.9	67.7	74.7	80.9	85.2	86.3	88.4	89.3	89.4	89.9	90.2	90.2	90.2	90.3	90.3	90.3
IV 700	33.9	67.8	74.8	81.1	85.8	86.9	89.2	90.2	90.3	90.8	91.1	91.1	91.1	91.2	91.2	91.2
IV 600	33.9	68.0	75.1	81.5	86.5	87.8	90.5	91.7	91.7	92.4	92.6	92.6	92.6	92.8	92.8	92.8
IV 500	33.9	68.1	75.2	82.0	87.1	88.4	91.4	92.7	92.8	93.6	93.9	94.0	94.0	94.2	94.2	94.2
IV 400	33.9	68.2	75.3	82.7	87.5	88.8	92.2	93.6	93.9	94.9	95.4	95.5	95.5	95.7	95.7	95.7
IV 300	33.9	68.2	75.4	82.2	87.6	89.0	92.5	94.0	94.4	96.1	96.8	96.8	96.8	97.2	97.2	97.2
IV 200	33.9	68.7	75.4	82.2	87.7	89.1	92.6	94.2	94.6	96.4	97.2	97.3	97.3	97.9	97.9	97.9
IV 100	33.9	68.2	75.4	82.2	87.7	89.1	92.6	94.3	94.7	96.5	97.3	97.4	97.4	98.1	98.4	98.4
IV 0	33.9	68.2	75.4	82.7	87.7	89.1	92.6	94.3	94.7	96.5	97.4	97.5	97.5	98.2	98.5	98.7

TOTAL NUMBER OF OBSERVATIONS

2361

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

1-800 STATION CHARLOTTE AFB ILLINOIS/RAHILL

37-64

YEARS

YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	>1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	17.9	34.3	37.5	40.7	42.2	42.6	43.7	44.4	44.4	44.6	44.7	44.7	44.9	44.9	45.0	45.2
≥20000	19.0	37.1	41.1	43.9	45.2	46.7	47.9	48.7	48.7	48.9	49.0	49.0	49.2	49.2	49.3	49.5
IV 18000	19.3	37.4	41.4	44.2	46.6	47.0	48.3	49.1	49.1	49.3	49.4	49.4	49.6	49.6	49.7	49.9
IV 16000	19.3	37.7	41.6	44.6	46.9	47.3	48.6	49.4	49.4	49.6	49.7	49.7	49.9	49.9	50.0	50.2
IV 14000	19.5	38.0	42.2	45.1	47.5	47.9	49.2	50.0	50.0	50.2	50.3	50.3	50.5	50.5	50.6	50.8
IV 12000	20.1	39.4	43.6	47.2	49.2	49.9	51.1	52.0	52.0	52.2	52.3	52.3	52.5	52.5	52.5	52.7
IV 10000	20.8	41.1	45.0	49.1	51.6	52.0	53.3	54.1	54.1	54.3	54.4	54.4	54.6	54.6	54.6	54.6
IV 9000	21.1	41.8	46.5	50.1	52.6	53.0	54.3	55.2	55.2	55.4	55.4	55.4	55.6	55.6	55.7	55.9
IV 8000	22.2	44.0	49.1	52.4	55.6	56.0	57.3	58.2	58.2	58.4	58.4	58.4	58.6	58.6	58.7	58.9
IV 7000	23.2	46.1	51.3	55.3	53.2	57.6	60.0	60.8	60.8	61.0	61.1	61.1	61.3	61.3	61.4	61.6
IV 6000	23.7	47.6	52.5	57.0	60.2	60.7	62.0	62.9	62.9	63.1	63.1	63.1	63.3	63.3	63.4	63.6
IV 5000	24.5	49.4	54.9	54.2	62.8	63.1	64.6	65.4	65.4	65.5	65.7	65.7	65.9	65.9	66.0	66.2
IV 4500	24.7	50.1	55.9	60.3	63.7	64.2	65.8	66.7	66.7	66.9	66.9	66.9	67.1	67.1	67.3	67.5
IV 4000	25.7	51.7	57.7	62.2	65.7	66.2	67.9	68.7	68.7	68.9	69.0	69.0	69.2	69.2	69.3	69.5
IV 3500	25.6	53.2	59.5	64.1	67.7	68.1	69.8	70.6	70.6	70.9	71.0	71.0	71.2	71.2	71.3	71.5
IV 3000	26.2	54.6	61.2	66.3	70.0	70.5	72.2	73.0	73.0	73.3	73.4	73.4	73.6	73.6	73.7	74.0
IV 2500	26.9	56.3	63.0	68.2	72.3	72.8	74.0	75.6	75.6	75.8	75.9	75.9	76.1	76.1	76.3	76.5
IV 2000	27.6	58.9	66.0	71.4	75.8	76.3	78.3	79.3	79.4	79.6	79.8	79.8	80.0	80.0	80.1	80.3
IV 1800	27.9	59.4	66.7	72.2	76.6	77.1	79.2	80.3	80.3	80.6	80.7	80.7	80.9	80.9	81.1	81.3
IV 1500	28.2	60.5	67.9	73.7	78.5	79.0	81.1	82.4	82.4	82.6	82.8	82.8	83.0	83.0	83.1	83.4
IV 1200	28.3	61.4	69.0	75.3	80.2	80.8	83.2	84.6	84.6	84.8	85.0	85.0	85.2	85.2	85.3	85.6
IV 1000	28.3	61.9	69.6	76.2	81.3	82.0	84.6	86.1	86.2	86.6	86.9	86.9	87.2	87.2	87.3	87.5
IV 900	28.4	62.1	70.0	76.7	82.0	82.6	85.4	87.0	87.1	87.6	87.8	87.8	88.1	88.1	88.2	88.4
IV 800	28.4	62.2	70.3	77.2	82.6	83.4	86.3	87.9	88.0	88.5	88.8	88.8	89.0	89.0	89.1	89.3
IV 700	28.4	62.3	70.5	77.3	83.0	83.8	86.8	88.4	88.6	89.1	89.4	89.4	89.7	89.7	89.8	90.0
IV 600	28.4	62.3	70.6	77.9	83.6	84.5	87.9	89.6	89.9	90.4	90.7	90.7	90.9	90.9	91.1	91.3
IV 500	28.4	62.4	70.7	78.2	84.2	85.2	88.9	90.7	91.0	91.9	92.3	92.3	92.7	92.7	92.8	93.0
IV 400	28.4	62.4	70.8	78.5	84.6	85.9	89.9	91.9	92.3	93.3	93.9	93.9	94.3	94.3	94.4	94.6
IV 300	28.4	62.4	70.8	78.5	84.7	86.1	90.3	92.4	92.7	94.2	95.5	95.5	95.9	95.9	96.1	96.3
IV 200	28.4	62.4	70.8	78.5	84.7	86.1	90.4	92.7	93.1	94.3	96.4	96.5	97.3	97.5	97.7	97.9
IV 100	28.4	62.4	70.8	78.5	84.7	86.1	90.5	92.8	93.2	95.0	96.6	96.8	97.7	97.9	98.2	98.4
IV 0	28.4	62.4	70.8	78.5	84.7	86.1	90.5	92.8	93.2	95.0	96.6	96.8	97.7	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

2507

USAF ETAC FORM 0-14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14805  
STATION

CHANDLER AFB ILLINOIS/ARMY 1906

17-70

YEARS

1.68  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	13.2	27.4	31.4	33.6	38.4	39.2	40.2	40.9	41.0	41.3	41.5	41.5	41.6	41.7	41.8	42.0
≥ 20000	14.9	31.7	30.5	40.4	43.5	44.4	45.7	46.5	46.6	46.9	47.2	47.2	47.3	47.3	47.5	47.7
≥ 18000	15.0	32.0	30.7	40.7	43.6	44.7	46.0	46.7	46.9	47.2	47.4	47.4	47.5	47.6	47.7	48.0
≥ 16000	15.1	32.1	30.8	40.9	43.9	44.9	46.1	46.9	47.0	47.4	47.6	47.6	47.7	47.7	47.9	48.1
≥ 14000	15.2	32.2	30.9	41.1	44.1	45.1	46.3	47.1	48.1	48.2	48.5	48.8	48.8	48.9	49.1	49.3
≥ 12000	15.3	32.3	31.0	41.2	44.2	45.2	46.4	47.2	48.2	48.3	48.6	48.9	49.0	49.1	49.3	49.5
≥ 10000	15.4	32.4	31.1	41.3	44.3	45.3	46.5	47.3	48.3	48.4	48.7	49.0	49.1	49.2	49.4	49.6
≥ 9000	15.5	32.5	31.2	41.4	44.4	45.4	46.6	47.4	48.4	48.5	48.8	49.1	49.2	49.3	49.5	49.7
≥ 8000	15.6	32.6	31.3	41.5	44.5	45.5	46.7	47.5	48.5	48.6	48.9	49.2	49.3	49.4	49.6	49.8
≥ 7000	15.7	32.7	31.4	41.6	44.6	45.6	46.8	47.6	48.6	48.7	49.0	49.3	49.4	49.5	49.7	49.9
≥ 6000	15.8	32.8	31.5	41.7	44.7	45.7	46.9	47.7	48.7	48.8	49.1	49.4	49.5	49.6	49.8	50.0
≥ 5000	15.9	32.9	31.6	41.8	44.8	45.8	47.0	47.8	48.8	48.9	49.2	49.5	49.6	49.7	49.9	50.1
≥ 4500	16.0	33.0	31.7	41.9	44.9	45.9	47.1	47.9	48.9	49.0	49.3	49.6	49.7	49.8	50.0	50.2
≥ 4000	16.1	33.1	31.8	42.0	45.0	46.0	47.2	48.0	49.0	49.1	49.4	49.7	49.8	49.9	50.1	50.3
≥ 3500	16.2	33.2	31.9	42.1	45.1	46.1	47.3	48.1	49.1	49.2	49.5	49.8	49.9	50.0	50.2	50.4
≥ 3000	16.3	33.3	32.0	42.2	45.2	46.2	47.4	48.2	49.2	49.3	49.6	49.9	50.0	50.1	50.3	50.5
≥ 2500	16.4	33.4	32.1	42.3	45.3	46.3	47.5	48.3	49.3	49.4	49.7	50.0	50.1	50.2	50.4	50.6
≥ 2000	16.5	33.5	32.2	42.4	45.4	46.4	47.6	48.4	49.4	49.5	49.8	50.1	50.2	50.3	50.5	50.7
≥ 1800	16.6	33.6	32.3	42.5	45.5	46.5	47.7	48.5	49.5	49.6	49.9	50.2	50.3	50.4	50.6	50.8
≥ 1600	16.7	33.7	32.4	42.6	45.6	46.6	47.8	48.6	49.6	49.7	50.0	50.3	50.4	50.5	50.7	50.9
≥ 1400	16.8	33.8	32.5	42.7	45.7	46.7	47.9	48.7	49.7	49.8	50.1	50.4	50.5	50.6	50.8	51.0
≥ 1200	16.9	33.9	32.6	42.8	45.8	46.8	48.0	48.8	49.8	49.9	50.2	50.5	50.6	50.7	50.9	51.1
≥ 1000	17.0	34.0	32.7	42.9	45.9	46.9	48.1	48.9	49.9	50.0	50.3	50.6	50.7	50.8	51.0	51.2
≥ 900	17.1	34.1	32.8	43.0	46.0	47.0	48.2	49.0	50.0	50.1	50.4	50.7	50.8	50.9	51.1	51.3
≥ 800	17.2	34.2	32.9	43.1	46.1	47.1	48.3	49.1	50.1	50.2	50.5	50.8	50.9	51.0	51.2	51.4
≥ 700	17.3	34.3	33.0	43.2	46.2	47.2	48.4	49.2	50.2	50.3	50.6	50.9	51.0	51.1	51.3	51.5
≥ 600	17.4	34.4	33.1	43.3	46.3	47.3	48.5	49.3	50.3	50.4	50.7	51.0	51.1	51.2	51.4	51.6
≥ 500	17.5	34.5	33.2	43.4	46.4	47.4	48.6	49.4	50.4	50.5	50.8	51.1	51.2	51.3	51.5	51.7
≥ 400	17.6	34.6	33.3	43.5	46.5	47.5	48.7	49.5	50.5	50.6	50.9	51.2	51.3	51.4	51.6	51.8
≥ 300	17.7	34.7	33.4	43.6	46.6	47.6	48.8	49.6	50.6	50.7	51.0	51.3	51.4	51.5	51.7	51.9
≥ 200	17.8	34.8	33.5	43.7	46.7	47.7	48.9	49.7	50.7	50.8	51.1	51.4	51.5	51.6	51.8	52.0
≥ 100	17.9	34.9	33.6	43.8	46.8	47.8	49.0	49.8	50.8	50.9	51.2	51.5	51.6	51.7	51.9	52.1
≥ 0	18.0	35.0	33.7	43.9	46.9	47.9	49.1	49.9	50.9	51.0	51.3	51.6	51.7	51.8	52.0	52.2

TOTAL NUMBER OF OBSERVATIONS

3034



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14800  
STATION

CHICAGO AND ILLINOIS/GRANTOL  
STATION NAME

37-70  
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5.10	≥ ¼	≥ 0
NO CEILING ≥ 20000	22.7	34.4	38.6	37.4	38.8	38.9	37.1	39.3	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.4
IV 18000	25.0	39.7	42.7	44.3	45.2	45.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 16000	26.2	40.4	43.4	44.9	45.9	46.3	46.6	46.8	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0
IV 14000	26.8	41.1	44.0	45.5	46.5	46.9	47.2	47.4	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6
IV 12000	27.2	42.4	45.4	47.0	47.9	48.4	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 10000	28.5	44.9	48.0	49.7	50.6	51.0	51.4	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 9000	29.0	45.3	49.1	50.7	51.7	52.2	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 8000	30.2	47.7	51.1	53.0	54.1	54.7	55.1	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 7000	31.1	48.4	52.0	53.8	55.1	55.7	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 6000	31.5	48.4	52.1	53.8	55.4	56.1	56.5	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 5000	32.1	51.8	55.8	58.0	59.3	60.0	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4500	32.4	52.5	56.5	58.7	60.1	60.8	61.3	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000	32.6	53.5	57.0	60.2	61.7	62.4	62.9	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 3500	33.1	54.7	59.1	61.6	63.2	63.9	64.5	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 3000	34.4	56.9	61.4	64.1	65.8	66.7	67.3	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 2500	35.7	59.2	64.7	67.6	69.5	70.4	71.1	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 2000	36.9	62.3	67.9	70.7	72.9	73.9	74.7	75.2	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1800	37.1	63.1	68.4	71.6	73.9	74.9	75.8	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7
IV 1500	37.8	64.7	70.4	74.1	76.6	77.7	78.6	79.2	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1200	38.2	66.0	72.8	76.8	79.8	80.9	82.1	82.7	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	38.3	67.3	73.9	78.3	81.7	83.1	84.4	85.3	85.5	85.9	86.2	86.2	86.4	86.4	86.4	86.4
IV 900	38.4	67.5	74.2	78.9	82.5	83.9	85.3	86.4	86.6	87.2	87.4	87.4	87.5	87.6	87.6	87.6
IV 800	38.4	67.7	74.6	79.4	83.6	85.3	86.8	87.9	88.2	89.1	89.3	89.3	89.4	89.5	89.5	89.5
IV 700	38.5	68.0	75.0	80.0	84.5	86.3	88.0	89.4	89.7	90.6	90.9	90.9	91.1	91.2	91.3	91.3
IV 600	38.5	68.2	75.5	80.7	85.4	87.3	89.2	90.7	91.0	92.0	92.3	92.4	92.7	92.8	92.9	92.9
IV 500	38.5	68.3	75.7	81.1	86.0	88.2	90.3	92.2	92.6	93.9	94.4	94.5	94.7	94.8	95.0	95.0
IV 400	38.5	68.3	75.8	81.3	86.2	88.4	90.9	93.1	93.7	95.3	96.0	96.1	96.3	96.4	96.6	96.6
IV 300	38.5	68.3	75.8	81.3	86.2	88.4	91.0	93.4	93.7	96.1	96.9	97.1	97.4	97.5	97.8	97.7
IV 200	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5
IV 100	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5
IV 0	38.5	68.3	75.8	81.3	86.3	88.5	91.1	93.5	94.3	96.5	97.4	97.7	98.2	98.4	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

310

USAF ETAC

FORM  
JUL 64

0-14-5 (OI 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAA

# CEILING VERSUS VISIBILITY

19806  
STATION

CHANDLER AFB ILI MISS/RENTON

07-70

YEARS

PAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	26.6	33.5	34.4	34.7	34.7	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	30.9	40.3	41.4	41.3	42.2	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	31.3	40.7	41.8	42.3	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 16000	31.3	41.0	42.1	42.6	42.9	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	31.8	41.5	42.6	43.2	43.5	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 12000	33.0	43.2	44.5	45.0	45.4	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 10000	34.6	45.6	46.8	47.3	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 9000	34.9	45.8	47.2	47.8	48.3	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 8000	35.1	46.2	49.0	50.3	50.8	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 7000	35.7	49.4	50.9	51.8	52.3	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	37.3	50.7	52.4	53.7	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 5000	38.0	52.2	54.2	55.2	55.6	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 4500	38.5	53.0	55.1	56.1	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 4000	39.4	54.7	57.0	58.1	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 3500	40.4	56.3	58.5	59.8	60.5	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3000	43.3	60.5	63.0	64.4	65.3	65.6	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2500	42.7	65.1	67.7	69.3	70.2	70.5	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2000	47.5	69.3	72.8	74.9	76.0	76.3	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	47.8	70.2	73.7	76.0	77.2	77.5	78.0	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1500	46.7	73.0	76.7	79.5	81.0	81.3	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	48.8	74.7	78.8	82.0	83.8	84.2	85.0	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8
IV 1000	48.8	75.5	80.0	83.7	86.3	86.8	87.7	88.4	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	48.8	75.8	80.3	84.3	87.0	87.6	88.6	89.4	89.5	89.8	89.9	89.9	90.0	90.0	90.0	90.0
IV 800	48.9	75.9	80.7	84.8	87.7	88.5	89.7	90.7	90.8	91.2	91.4	91.4	91.5	91.5	91.5	91.5
≥ 700	46.9	76.1	80.9	85.1	88.4	89.3	90.8	91.9	92.1	92.7	92.9	93.0	93.1	93.1	93.1	93.1
IV 600	49.0	76.3	81.2	85.5	88.9	89.9	91.5	92.8	92.9	93.7	94.0	94.1	94.2	94.2	94.3	94.3
≥ 500	49.0	76.3	81.5	85.8	89.6	90.8	92.0	94.1	94.2	95.4	95.9	96.0	96.2	96.3	96.4	96.4
IV 400	49.0	76.4	81.5	85.7	89.8	91.0	92.9	94.9	95.1	96.3	97.2	97.4	97.6	97.7	97.8	97.8
≥ 300	49.0	76.4	81.5	85.9	89.9	91.1	93.1	95.3	95.6	97.2	98.0	98.2	98.5	98.6	98.7	98.7
IV 200	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.3	99.3	99.7	99.7
≥ 100	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.3	99.3	99.7	99.7
IV 0	49.0	76.4	81.5	85.9	89.9	91.1	93.2	95.3	95.6	97.4	98.5	98.7	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

315P

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

19806  
STATION

CHANDLER AFB ILLINOIS/RAILROAD  
STATION NAME

37-70  
YEARS

MONTH

AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	27.2	33.7	34.3	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	23.3	42.2	43.1	43.4	43.5	43.7	43.3	43.8	43.8	43.8	43.8	43.7	43.8	43.8	43.8	43.8
IV 18000	33.5	42.6	43.6	43.7	44.0	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 16000	33.6	42.9	43.8	44.1	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	34.3	43.7	44.3	45.0	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 12000	35.6	45.5	46.6	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 10000	37.3	47.9	49.0	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 9000	37.8	48.7	49.8	50.3	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 8000	38.6	50.3	51.4	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	39.2	51.7	53.1	53.6	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 6000	40.1	53.9	55.1	55.9	56.2	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 5000	41.0	56.0	57.5	58.3	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4500	41.7	57.0	58.5	59.3	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 4000	43.1	59.3	61.0	62.0	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	44.7	61.4	63.2	64.3	65.0	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 3000	46.8	65.4	67.6	68.8	69.6	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 2500	48.3	69.3	71.7	73.2	74.1	74.6	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	49.8	72.6	75.5	77.6	78.7	79.3	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1800	49.9	73.3	76.4	78.6	79.8	80.3	80.9	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	50.2	75.0	78.3	80.7	82.2	82.7	83.5	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1200	50.3	76.0	79.9	82.4	84.3	84.9	85.7	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1000	50.3	76.7	81.0	83.9	86.3	86.9	88.0	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 900	50.3	76.9	81.3	84.5	87.0	87.7	88.8	89.8	89.9	90.2	90.4	90.4	90.5	90.5	90.5	90.5
IV 800	50.3	77.0	81.6	85.0	87.6	88.4	89.8	90.9	91.0	91.4	91.6	91.6	91.7	91.8	91.8	91.8
IV 700	50.3	77.1	81.8	85.3	88.2	89.1	90.6	91.8	91.9	92.5	92.8	92.9	93.0	93.1	93.1	93.1
IV 600	50.4	77.3	82.1	85.5	88.6	89.6	91.5	92.8	92.9	93.9	94.3	94.4	94.6	94.6	94.7	94.7
IV 500	50.4	77.5	82.3	85.8	89.1	90.3	92.3	93.9	94.1	95.3	95.9	96.0	96.3	96.3	96.3	96.4
IV 400	50.4	77.5	82.4	85.9	89.3	90.4	92.7	94.5	94.7	96.0	96.8	96.9	97.3	97.4	97.6	97.6
IV 300	50.4	77.5	82.4	85.9	89.4	90.6	92.9	95.0	95.4	97.0	98.1	98.2	98.6	98.7	98.9	98.9
IV 200	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.2	99.3	99.4
IV 100	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.2	99.3	99.4
IV 0	50.4	77.5	82.4	85.9	89.4	90.6	93.0	95.1	95.4	97.3	98.4	98.5	99.1	99.2	99.3	99.4

TOTAL NUMBER OF OBSERVATIONS

3142

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHICAGO AFB ILLINOIS/RAHTEL

37-70

YEARS

14806  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY C EATIONS)

14806-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	26.0	36.7	38.7	39.7	40.3	40.4	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0
≥ 20000	27.9	42.9	43.2	46.3	47.2	47.4	47.7	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1
IV 18000	30.1	43.3	45.7	47.0	47.7	47.9	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
IV 16000	30.2	42.5	45.9	47.2	47.9	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8
IV 14000	30.7	44.0	46.6	47.9	48.7	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
IV 12000	31.8	45.7	48.4	49.9	50.3	50.9	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	33.3	47.7	50.4	52.0	52.8	53.0	53.3	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
IV 9000	33.9	48.3	51.3	53.4	54.3	54.5	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 8000	35.1	50.9	53.9	56.6	56.7	56.7	57.0	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 7000	35.7	52.5	55.5	57.3	58.3	58.5	58.9	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 6000	36.4	53.4	57.1	59.0	60.1	60.3	60.7	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
IV 5000	37.4	56.0	59.6	61.6	62.8	63.1	63.5	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2
IV 4500	37.9	57.2	61.0	63.1	64.5	64.8	65.1	65.5	65.5	65.7	65.7	65.7	65.8	65.8	65.8	65.8
IV 4000	39.1	59.7	63.0	66.2	67.7	68.0	68.5	69.0	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.3
IV 3500	40.0	61.2	65.0	68.1	69.8	70.2	70.8	71.3	71.3	71.5	71.6	71.6	71.7	71.7	71.7	71.7
IV 3000	41.2	64.0	68.5	71.3	73.2	73.6	74.4	74.9	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.4
IV 2500	42.3	66.8	71.0	74.5	76.9	77.3	78.3	78.9	78.9	79.2	79.2	79.2	79.3	79.3	79.3	79.4
IV 2000	43.2	69.3	75.0	78.5	80.8	81.3	82.5	83.7	83.3	83.5	83.6	83.6	83.7	83.7	83.7	83.7
IV 1800	43.4	69.9	75.6	79.1	81.3	82.0	83.2	84.0	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.6
IV 1500	43.5	70.8	76.9	80.7	83.4	83.9	85.4	85.2	86.4	86.7	86.8	86.8	86.9	86.9	86.9	86.9
IV 1200	43.6	71.4	77.8	81.8	84.7	85.3	86.9	87.9	88.1	88.3	88.6	88.6	88.7	88.7	88.7	88.8
IV 1000	43.7	71.9	78.6	82.7	85.9	86.6	88.3	89.4	89.7	90.2	90.4	90.4	90.5	90.5	90.5	90.8
IV 900	43.7	72.1	78.8	83.0	86.5	87.1	89.0	90.2	90.4	91.1	91.3	91.3	91.4	91.4	91.4	91.4
IV 800	43.7	72.2	79.0	83.2	86.9	87.6	89.6	90.8	91.1	91.9	92.2	92.2	92.3	92.3	92.3	92.4
IV 700	43.7	72.4	79.2	83.7	87.5	88.2	90.3	91.6	91.6	92.8	93.2	93.2	93.4	93.4	93.4	93.4
IV 600	43.7	72.4	79.4	83.9	87.7	88.5	90.8	92.3	92.6	93.6	94.0	94.0	94.3	94.3	94.3	94.4
IV 500	43.7	72.6	79.5	84.2	88.3	89.2	91.7	93.3	93.6	95.0	95.6	95.6	95.9	95.9	95.9	96.0
IV 400	43.7	72.6	79.5	84.2	88.4	89.3	91.9	93.6	94.0	95.6	96.3	96.3	96.6	96.6	96.6	96.7
IV 300	43.7	72.6	79.5	84.3	88.5	89.4	92.1	94.0	94.4	96.2	97.1	97.2	97.5	97.6	97.6	97.7
IV 200	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.8	96.9	97.9	98.1	98.4	98.5	98.5	98.6
IV 100	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.9	97.0	98.1	98.3	98.9	98.9	98.9	99.0
IV 0	43.7	72.6	79.5	84.3	88.5	89.5	92.2	94.3	94.9	97.0	98.1	98.4	99.0	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

3154

USAF ETAC FORM 0-14-5(OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAF

## CEILING VERSUS VISIBILITY

1980  
STATION

CHICAGO AFB ILLINOIS/KANTARA

47-70

YEARS

36  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	26.3	41.6	43.6	45.4	46.0	44.4	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.2	47.2	47.2
≥ 20000	30.4	45.3	47.7	49.8	50.6	51.0	51.4	51.6	51.6	51.3	51.8	51.5	51.9	51.9	51.9	51.9
≥ 18000	30.4	45.4	47.6	50.0	50.6	51.2	51.6	51.7	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.1
≥ 16000	30.3	45.5	47.9	50.1	51.0	51.4	51.7	51.9	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.2
≥ 14000	30.7	46.0	48.4	50.7	51.0	52.0	52.4	52.5	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9
≥ 12000	31.3	47.1	49.7	52.1	53.0	53.4	53.8	54.0	54.0	54.2	54.2	54.2	54.3	54.3	54.3	54.4
≥ 10000	32.8	49.3	51.9	54.7	55.2	55.6	56.0	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.6
≥ 9000	33.2	50.1	52.8	55.2	56.1	56.6	56.9	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.5
≥ 8000	34.4	51.9	54.6	57.4	58.3	58.8	59.2	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.8
≥ 7000	34.9	53.0	56.1	58.9	59.9	60.4	60.7	61.0	61.0	61.3	61.3	61.3	61.4	61.4	61.4	61.5
≥ 6000	35.8	54.5	57.9	60.7	62.1	62.3	63.0	63.2	63.3	63.6	63.6	63.6	63.7	63.7	63.7	63.8
≥ 5000	36.7	57.1	60.7	64.1	65.5	66.0	66.4	66.7	66.8	67.1	67.2	67.2	67.3	67.3	67.3	67.4
≥ 4500	37.2	58.1	61.9	65.3	66.7	67.2	67.7	68.0	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.7
≥ 4000	37.7	59.5	63.4	67.2	68.7	69.2	69.8	70.1	70.2	70.6	70.6	70.7	70.8	70.8	70.8	70.9
≥ 3500	38.4	61.1	65.4	69.1	70.7	71.2	71.8	72.1	72.2	72.6	72.7	72.7	72.8	72.8	72.9	73.0
≥ 3000	39.5	63.3	67.8	71.9	73.6	74.2	75.0	75.4	75.5	76.0	76.0	76.0	76.1	76.2	76.2	76.3
≥ 2500	40.5	66.2	71.0	75.4	77.4	78.0	78.9	79.3	79.4	79.9	80.0	80.0	80.1	80.2	80.2	80.3
≥ 2000	41.3	68.6	73.6	78.3	80.6	81.2	82.3	82.7	82.8	83.4	83.5	83.5	83.6	83.6	83.7	83.8
≥ 1800	41.4	69.2	74.2	79.0	81.3	81.9	83.0	83.5	83.6	84.1	84.2	84.2	84.3	84.3	84.4	84.5
≥ 1500	41.5	70.0	75.2	80.1	82.5	83.3	84.5	85.0	85.1	85.6	85.7	85.7	85.8	85.9	85.9	86.0
≥ 1200	41.6	71.1	76.7	81.8	84.4	85.1	86.5	87.0	87.2	87.9	88.0	88.0	88.1	88.1	88.2	88.3
≥ 1000	41.7	71.6	77.5	82.8	85.7	86.6	88.2	88.8	88.9	89.6	89.8	89.9	89.9	89.9	90.0	90.1
≥ 900	41.7	71.8	77.9	83.2	86.2	87.2	88.9	89.5	89.7	90.4	90.6	90.6	90.7	90.8	90.8	90.9
≥ 800	41.7	72.1	78.3	83.7	86.8	87.8	89.7	90.3	90.5	91.3	91.4	91.5	91.6	91.7	91.7	91.8
≥ 700	41.7	72.3	78.6	84.3	87.5	88.5	90.4	91.2	91.4	92.3	92.4	92.5	92.6	92.6	92.7	92.8
≥ 600	41.8	72.5	78.9	84.7	88.1	89.3	91.3	92.3	92.6	93.6	93.9	93.9	94.1	94.1	94.2	94.3
≥ 500	41.8	72.6	79.1	85.0	88.6	89.8	92.0	93.1	93.5	94.6	94.9	95.0	95.1	95.2	95.2	95.3
≥ 400	41.8	72.8	79.2	85.3	88.9	90.2	92.5	93.7	94.2	95.5	95.9	96.0	96.1	96.2	96.2	96.3
≥ 300	41.8	72.8	79.3	85.4	89.1	90.4	92.9	94.2	94.7	96.3	96.7	96.5	97.0	97.0	97.1	97.1
≥ 200	41.8	72.8	79.3	85.4	89.2	90.5	93.1	94.6	95.1	96.8	97.3	97.5	97.9	97.9	98.0	98.1
≥ 100	41.8	72.8	79.3	85.4	89.2	90.5	93.2	94.6	95.1	96.9	97.6	97.9	98.6	98.8	99.0	99.1
≥ 0	41.8	72.8	79.3	85.4	89.2	90.5	93.2	94.6	95.1	97.0	97.7	98.0	98.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

3150

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14800  
STATION

CHAMPAIGN AFB ILLINOIS/AMTLOL

57-52

LEADS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	32.1	45.2	47.2	49.3	50.0	50.1	50.2	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.7
≥ 20000	32.1	45.2	47.2	49.3	50.0	50.1	50.2	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.7
IV 18000	35.1	49.8	52.0	54.4	55.4	55.5	55.7	55.7	55.7	55.9	55.9	55.9	56.0	56.1	56.1	56.1
IV 16000	35.2	49.9	52.3	55.0	55.8	55.9	56.1	56.1	56.1	56.2	56.3	56.3	56.4	56.4	56.5	56.5
IV 14000	35.7	50.5	53.0	55.7	56.6	56.6	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.3
IV 12000	36.5	51.5	54.4	57.2	58.1	58.2	58.3	58.3	58.4	58.5	58.6	58.6	58.6	58.7	58.8	58.8
IV 10000	38.6	55.0	57.0	60.4	61.3	61.4	61.6	61.6	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.0
IV 9000	39.1	56.2	58.8	61.7	62.7	62.8	62.9	62.9	63.0	63.1	63.2	63.2	63.2	63.3	63.3	63.4
IV 8000	41.0	59.2	61.5	64.3	65.4	65.4	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8
IV 7000	41.7	61.2	64.3	67.2	68.3	68.5	68.6	68.6	68.6	68.7	68.8	68.8	68.9	68.9	69.0	69.1
IV 6000	42.0	63.0	66.3	69.3	70.5	70.6	70.6	70.8	70.8	71.0	71.0	71.0	71.0	71.1	71.2	71.2
IV 5000	44.0	65.8	69.4	72.5	73.8	74.0	74.2	74.2	74.2	74.4	74.5	74.5	74.5	74.6	74.7	74.7
IV 4500	46.7	67.1	70.8	74.0	75.3	75.5	75.6	75.8	75.9	76.0	76.2	76.2	76.2	76.3	76.4	76.4
IV 4000	45.3	68.6	72.4	75.6	76.9	77.2	77.3	77.4	77.6	77.8	77.9	77.9	78.0	78.2	78.2	78.2
IV 3500	46.3	70.7	74.6	77.8	79.1	79.4	79.8	79.9	79.9	80.1	80.2	80.2	80.3	80.3	80.5	80.6
IV 3000	46.7	72.3	76.3	79.7	81.1	81.3	81.7	81.8	81.8	82.0	82.1	82.1	82.2	82.4	82.4	82.5
IV 2500	47.4	74.1	78.4	81.8	83.3	83.6	84.1	84.2	84.2	84.4	84.5	84.5	84.6	84.8	84.8	84.9
IV 2000	47.6	75.6	80.2	83.8	85.4	85.8	86.3	86.5	86.5	86.7	86.8	86.8	86.9	87.1	87.1	87.2
IV 1800	47.8	75.9	80.6	84.3	86.0	86.3	86.9	87.1	87.1	87.3	87.4	87.4	87.5	87.7	87.7	87.8
IV 1500	48.2	76.7	81.5	85.2	87.1	87.4	88.1	88.2	88.2	88.5	88.6	88.6	88.7	88.9	88.9	88.9
IV 1200	48.5	77.6	82.5	86.3	88.3	88.7	89.4	89.5	89.5	89.8	89.9	89.9	90.0	90.2	90.2	90.3
IV 1000	48.6	78.0	83.1	87.3	89.4	89.9	90.6	90.8	90.9	91.1	91.2	91.2	91.3	91.5	91.5	91.6
IV 900	48.6	78.2	83.5	88.0	90.2	90.7	91.7	92.0	92.0	92.3	92.4	92.4	92.5	92.7	92.7	92.8
IV 800	48.6	78.5	84.0	88.4	90.6	91.4	92.7	93.2	93.3	93.6	93.7	93.7	93.8	94.0	94.0	94.0
IV 700	48.6	78.7	84.4	89.0	91.6	92.3	93.7	94.3	94.4	94.7	94.9	94.9	95.0	95.2	95.2	95.2
IV 600	48.6	78.9	84.6	89.3	92.2	92.9	94.6	95.4	95.5	95.9	96.1	96.1	96.2	96.4	96.4	96.4
IV 500	48.6	79.0	84.8	89.5	92.5	93.5	95.4	96.4	96.5	97.1	97.2	97.2	97.3	97.5	97.5	97.6
IV 400	48.6	79.0	84.8	89.6	92.9	93.8	96.0	97.1	97.1	97.8	98.1	98.1	98.2	98.3	98.4	98.4
IV 300	48.6	79.1	85.0	89.8	93.2	94.1	96.4	97.6	97.6	98.3	98.8	98.8	98.8	99.0	99.0	99.0
IV 200	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.0	99.3	99.3	99.3
IV 100	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.0	99.3	99.3	99.3
IV 0	48.6	79.1	85.0	89.8	93.3	94.2	96.5	97.6	97.7	98.6	99.0	99.0	99.0	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

2417

USAF ETAC

FORM  
JUL 64

0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
WIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

QUANTIC AFB ILLINOIS/KANTOUL  
STATION NAME

37-65

YEARS

DATA  
NO. 1

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING ≥ 20000	23.9	38.5	41.5	44.1	46.0	46.1	46.5	46.8	46.8	47.0	47.1	47.1	47.2	47.2	47.2	47.4
≥ 18000	26.1	42.0	45.9	49.9	51.1	51.3	51.6	52.1	52.1	52.4	52.5	52.5	52.6	52.6	52.6	52.7
≥ 16000	26.1	42.2	46.0	49.2	51.3	51.5	52.0	52.3	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.9
≥ 14000	26.9	43.1	47.1	50.2	52.4	52.6	53.1	53.4	53.5	53.7	53.8	53.8	53.9	53.9	54.0	54.1
≥ 12000	26.1	44.8	48.0	52.2	54.5	54.7	55.2	55.5	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.2
≥ 10000	30.1	48.1	52.3	55.6	57.9	58.2	58.7	59.0	59.1	59.3	59.4	59.4	59.4	59.5	59.5	59.7
≥ 9000	30.9	49.5	53.7	57.1	59.4	59.7	60.3	60.6	60.6	60.9	61.0	61.0	61.1	61.1	61.2	61.3
≥ 8000	32.2	52.1	56.4	59.8	62.1	62.4	63.0	63.3	63.3	63.6	63.7	63.7	63.8	63.8	63.9	63.7
≥ 7000	33.2	54.7	58.9	62.3	64.6	65.0	65.6	66.0	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.6
≥ 6000	34.1	56.2	60.4	64.5	67.0	67.4	68.1	68.4	68.5	68.7	68.9	68.9	68.9	68.9	69.0	69.1
≥ 5000	34.9	58.4	63.2	67.3	70.0	70.3	71.0	71.4	71.5	71.7	71.9	71.9	71.9	71.9	72.0	72.1
≥ 4500	35.2	59.3	64.2	68.2	71.0	71.3	72.1	72.5	72.5	72.9	73.0	73.2	73.1	73.1	73.1	73.2
≥ 4000	36.1	61.6	66.6	70.8	73.7	74.2	75.0	75.3	75.5	75.9	76.0	76.2	76.1	76.1	76.2	76.2
≥ 3500	36.8	62.8	67.9	72.1	75.0	75.5	76.4	76.9	76.9	77.2	77.4	77.4	77.4	77.4	77.5	77.5
≥ 3000	37.7	64.9	70.1	74.5	77.5	77.9	78.8	79.3	79.3	79.7	79.8	79.8	79.9	79.9	80.0	80.1
≥ 2500	38.3	66.6	71.9	75.4	79.7	80.3	81.2	81.7	81.7	82.1	82.2	82.2	82.3	82.3	82.4	82.5
≥ 2000	39.0	68.4	74.1	78.0	82.1	82.8	83.7	84.2	84.3	84.7	84.9	84.9	85.0	85.0	85.1	85.2
≥ 1800	39.2	69.7	74.5	79.2	82.5	83.2	84.2	84.7	84.8	85.2	85.4	85.4	85.4	85.4	85.6	85.6
≥ 1500	39.4	69.7	75.0	80.6	84.1	84.8	85.8	86.3	86.4	86.9	87.1	87.1	87.2	87.2	87.3	87.4
≥ 1200	39.6	70.2	76.4	81.5	85.3	86.0	87.1	87.7	87.7	88.2	88.5	88.5	88.6	88.6	88.7	88.8
≥ 1000	39.8	70.9	77.4	82.8	87.0	87.7	89.0	89.6	89.7	90.3	90.6	90.6	90.7	90.7	90.8	90.9
≥ 900	39.9	71.1	77.8	83.5	87.7	88.5	89.7	90.3	90.5	91.0	91.4	91.4	91.5	91.5	91.5	91.7
≥ 800	39.9	71.2	78.1	83.9	88.4	89.1	90.7	91.3	91.5	92.0	92.4	92.4	92.5	92.5	92.6	92.7
≥ 700	39.9	71.4	78.3	84.3	88.9	89.6	91.4	92.2	92.3	92.9	93.3	93.3	93.4	93.4	93.6	93.6
≥ 600	39.9	71.5	78.5	84.7	89.6	90.4	92.5	93.9	93.7	94.3	94.6	94.7	94.8	94.8	94.9	95.0
≥ 500	40.0	71.7	78.8	85.0	90.3	91.2	93.6	95.1	95.3	96.1	96.5	96.6	96.7	96.7	96.9	96.9
≥ 400	40.0	71.9	78.9	85.3	90.7	91.6	94.4	95.8	96.0	97.1	97.5	97.6	97.8	97.8	97.9	98.0
≥ 300	40.0	71.9	79.0	85.3	90.9	91.8	94.7	96.2	96.5	97.9	98.3	98.4	98.6	98.6	98.8	98.8
≥ 200	40.0	71.9	79.0	85.3	90.9	91.8	94.8	96.3	96.6	98.1	98.6	98.7	99.1	99.1	99.3	99.3
≥ 100	40.0	71.9	79.0	85.3	90.9	91.8	94.8	96.3	96.7	98.2	98.7	98.8	99.2	99.3	99.3	99.7
≥ 0	40.0	71.9	79.0	85.3	90.9	91.8	94.8	96.3	96.7	98.2	98.8	98.9	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2424

USAF ETAC FORM 701 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHICAGO AND ILLINOIS/RAITONOL  
STATION NAME

37-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅔	≥0
NO CEILING ≥ 20000	20.1	35.3	37.9	40.7	41.1	41.1	41.5	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.1
IV 18000	23.3	41.7	45.0	47.7	49.3	49.1	49.5	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.2	50.2
IV 16000	23.5	41.9	45.2	47.9	49.2	49.3	49.7	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.4	50.4
IV 14000	23.9	41.9	45.3	48.0	49.3	49.4	49.8	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.5	50.5
IV 12000	24.9	42.9	46.3	49.0	50.2	50.6	51.1	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.7	51.8
IV 10000	24.6	44.6	46.1	50.2	52.4	52.4	52.9	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.6	53.7
IV 9000	25.6	46.9	50.7	53.6	55.3	55.3	55.8	56.1	56.1	56.4	56.4	56.4	56.4	56.4	56.5	56.6
IV 8000	26.5	47.9	51.8	54.8	56.6	56.6	57.1	57.4	57.4	57.6	57.6	57.7	57.7	57.7	57.8	57.8
IV 7000	28.0	52.3	56.8	60.3	62.4	62.4	63.2	63.6	63.6	63.8	63.8	63.9	63.9	63.9	64.0	64.0
IV 6000	29.8	54.1	58.2	62.5	64.6	65.0	65.7	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.5	66.5
IV 5000	30.5	55.7	60.7	64.7	67.2	67.6	68.2	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1
IV 4500	30.8	56.7	61.8	65.1	66.5	69.0	69.6	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.5
IV 4000	31.6	58.1	63.4	68.0	70.8	71.3	72.0	72.5	72.5	72.8	72.8	72.8	72.8	72.8	72.9	73.0
IV 3500	32.3	59.7	65.1	69.9	72.7	73.2	74.1	74.6	74.6	74.9	74.9	74.9	75.0	75.0	75.0	75.1
IV 3000	33.3	61.4	67.0	72.1	75.0	75.6	76.6	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.6	77.7
IV 2500	34.0	62.9	68.7	74.0	77.1	77.7	78.7	79.3	79.4	79.8	79.8	79.8	79.9	79.9	79.9	80.0
IV 2000	34.8	64.8	70.7	76.3	79.5	80.2	81.2	81.9	82.0	82.4	82.5	82.5	82.5	82.5	82.6	82.6
IV 1800	35.1	65.4	71.5	77.1	80.3	81.0	82.1	82.8	82.8	83.3	83.3	83.3	83.4	83.4	83.4	83.5
IV 1500	35.9	66.9	73.5	79.0	82.3	83.1	84.2	85.0	85.1	85.5	85.6	85.6	85.7	85.7	85.8	85.8
IV 1200	36.3	68.1	74.9	81.0	84.5	85.2	86.4	87.2	87.3	87.7	87.8	87.8	87.9	87.9	87.9	88.0
IV 1000	36.5	68.8	75.8	82.1	86.0	86.8	88.0	88.9	89.0	89.3	89.6	89.6	89.7	89.7	89.7	89.8
IV 900	36.7	69.1	76.2	82.6	86.6	87.4	88.8	89.0	89.7	90.2	90.3	90.3	90.4	90.4	90.5	90.6
IV 800	37.1	69.9	77.2	83.9	88.2	89.0	90.5	91.4	91.5	92.1	92.2	92.2	92.3	92.3	92.4	92.5
IV 700	37.1	70.3	77.8	84.6	89.0	89.8	91.4	92.4	92.5	93.1	93.2	93.2	93.3	93.3	93.4	93.5
IV 600	37.1	70.5	78.0	85.2	89.8	90.7	92.4	93.5	93.7	94.4	94.5	94.5	94.7	94.7	94.7	94.8
IV 500	37.1	70.6	78.2	85.4	90.2	91.1	93.2	94.6	94.8	95.8	96.0	96.2	96.4	96.4	96.5	96.5
IV 400	37.1	70.7	78.3	85.6	90.7	91.7	93.9	95.0	95.8	97.0	97.2	97.4	97.6	97.6	97.7	97.8
IV 300	37.1	70.7	78.3	85.6	90.5	91.9	94.2	96.0	96.3	97.5	98.0	98.2	98.6	98.6	98.7	98.8
IV 200	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.2	99.2	99.4	99.6
IV 100	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.3	99.3	99.5	99.7
IV 0	37.1	70.7	78.4	85.7	90.9	92.1	94.4	96.3	96.6	98.1	98.5	98.7	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2944



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AIR ILLINOIS/KANTOHL  
STATION NAME

27-70

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS II 511

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.0	36.3	37.0	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 20000	45.6	45.6	46.9	47.4	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	35.8	45.9	47.2	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	30.1	46.1	47.4	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000	30.8	47.3	48.6	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	38.1	49.0	50.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	39.5	51.4	53.0	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	40.1	52.2	53.9	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	41.3	54.2	56.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	41.8	55.7	57.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 6000	42.5	57.4	59.7	60.9	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 5000	43.1	58.7	61.3	62.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	43.3	59.3	62.0	63.6	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	44.8	61.5	64.4	66.0	66.7	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3500	46.3	63.9	66.9	68.7	69.5	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3000	46.4	67.0	70.3	72.2	73.3	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2500	50.6	69.7	73.2	75.3	76.5	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	52.9	73.8	77.3	79.5	80.9	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	53.6	74.5	78.4	80.6	82.1	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	54.6	76.8	80.7	83.2	84.8	85.0	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	55.4	79.0	83.4	86.1	88.0	88.2	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1000	55.9	80.2	84.8	87.9	90.2	90.6	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	56.0	80.6	85.3	88.7	91.1	91.5	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	56.1	81.1	86.1	89.7	92.3	93.1	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	56.3	81.7	86.8	90.5	93.4	94.0	94.9	95.3	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	56.4	81.8	87.1	90.9	94.1	94.7	95.8	96.4	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	56.3	82.0	87.3	91.2	94.4	95.4	96.7	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	56.3	82.2	87.6	91.5	95.2	95.9	97.2	98.1	98.2	98.9	99.1	99.1	99.1	99.1	99.2	99.2
≥ 300	56.3	82.2	87.6	91.6	95.3	95.9	97.4	98.4	98.6	99.4	99.5	99.5	99.5	99.6	99.7	99.7
≥ 200	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.7	99.7	99.7	99.8	99.9	99.9
≥ 100	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.8	99.8	99.8	99.9	100.0	100.0
≥ 0	56.3	82.2	87.6	91.6	95.3	96.0	97.4	98.5	98.7	99.5	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3000

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

## CEILING VERSUS VISIBILITY

1-806  
STATION

CHANDLER AFB ILLINOIS/AMTJUL

17-70

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.4	32.3	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	27.0	41.9	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 18000	57.2	42.1	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	57.6	42.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 14000	38.4	43.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 12000	38.2	45.0	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 10000	41.3	47.5	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 9000	42.1	48.7	50.0	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 8000	43.5	51.3	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 7000	44.2	52.5	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000	45.8	54.9	56.7	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000	47.9	58.0	59.9	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 4500	49.4	59.9	61.4	62.4	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 4000	52.6	64.3	66.4	67.1	67.3	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 3500	55.2	67.8	69.9	70.7	70.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3000	58.5	72.1	74.3	75.2	75.8	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 2500	60.7	75.4	77.8	78.8	79.4	79.5	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	62.5	78.8	81.3	82.4	83.2	83.3	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	63.0	79.6	82.1	83.3	84.0	84.1	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1500	64.2	82.3	85.1	86.4	87.2	87.4	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	64.9	83.8	87.1	88.5	89.5	89.6	90.5	90.6	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
IV 1000	65.1	84.7	88.5	90.2	91.4	91.6	92.6	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	65.2	84.9	88.8	90.7	92.1	92.3	93.3	93.8	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1
IV 800	65.3	85.3	89.4	91.4	92.9	93.2	94.4	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	65.3	85.5	89.7	91.9	93.6	94.0	95.4	95.9	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	65.4	85.7	90.0	92.3	94.2	94.7	96.2	96.9	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	65.4	85.7	90.2	92.6	94.7	95.2	96.9	97.8	97.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	65.4	85.8	90.4	92.8	94.9	95.4	97.2	98.2	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.5	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8
IV 200	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	65.4	85.8	90.4	92.8	95.0	95.5	97.5	98.6	98.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3040

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AFB ILLINOIS/RAITOL  
STATION NAME

47-70  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LTST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	51.8	34.5	34.5	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥20000	40.2	44.6	45.3	45.4	45.3	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥18000	40.6	45.1	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥16000	40.9	45.8	46.2	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥14000	42.1	47.0	47.7	47.8	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥12000	43.2	48.5	49.2	49.3	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥10000	45.3	51.3	52.2	52.3	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥9000	46.1	52.5	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥8000	47.4	54.7	56.0	56.2	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥7000	48.7	57.5	58.6	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥6000	50.4	60.1	61.6	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥5000	53.2	64.1	66.0	66.5	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥4500	54.5	66.0	68.1	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥4000	57.3	69.9	72.3	73.0	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥3500	59.3	72.4	74.9	75.6	76.2	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥3000	61.9	76.1	78.7	79.6	80.4	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥2500	63.1	78.3	81.0	82.2	83.0	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥2000	64.5	81.4	84.2	85.6	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2
≥1800	64.8	82.0	85.0	86.4	87.4	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥1500	65.2	83.7	86.7	88.3	89.5	89.6	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.2
≥1200	65.6	85.0	88.3	89.9	91.2	91.3	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.2
≥1000	65.7	85.8	89.3	91.1	92.7	92.9	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9
≥900	65.7	86.1	89.7	91.6	93.2	93.5	94.2	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6
≥800	65.6	86.3	90.1	92.0	94.0	94.4	95.3	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.9
≥700	65.8	86.4	90.2	92.2	94.4	94.9	95.9	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7
≥600	65.8	86.6	90.5	92.6	94.9	95.5	96.6	97.2	97.2	97.5	97.6	97.6	97.6	97.6	97.7
≥500	65.8	86.6	90.5	92.8	95.2	95.9	97.2	97.8	97.9	98.4	98.5	98.5	98.6	98.6	98.6
≥400	65.9	86.8	90.7	92.9	95.5	96.1	97.5	98.3	98.4	99.0	99.1	99.1	99.2	99.2	99.3
≥300	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.7	98.8	99.4	99.6	99.6	99.7	99.7	99.8
≥200	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0
≥100	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0
≥0	65.9	86.8	90.7	93.1	95.6	96.3	97.7	98.8	98.9	99.5	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3036

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14808  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

17-70

YEARS

1 PR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING	33.3	41.4	43.0	43.4	43.5	43.6	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	41.7	50.5	51.6	52.3	52.6	52.6	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	42.0	51.0	52.3	52.7	53.1	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	42.3	51.2	52.6	53.1	53.4	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	42.9	51.9	53.3	53.9	54.2	54.2	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000	44.0	53.6	55.0	55.6	55.9	55.9	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	45.7	56.0	57.5	58.1	58.4	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000	46.4	57.0	58.3	59.2	59.6	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	47.6	59.1	60.7	61.4	61.9	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	48.8	61.3	63.1	63.8	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 6000	50.1	63.5	65.4	66.3	66.9	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	52.4	67.6	69.9	70.9	71.5	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	53.1	68.8	71.3	72.3	73.1	73.2	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	54.2	71.2	73.9	75.1	76.0	76.1	76.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	55.5	73.5	76.3	77.9	78.9	79.0	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	57.0	76.1	79.5	81.2	82.2	82.3	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	57.8	78.2	81.8	83.6	84.7	84.8	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.7	85.7
≥ 2000	58.8	80.9	84.4	86.4	87.6	87.7	88.2	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	58.9	80.7	84.8	87.0	88.1	88.2	88.7	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	59.1	81.6	85.8	88.2	89.6	89.7	90.2	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	59.3	82.4	86.7	89.3	90.8	91.0	91.5	92.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000	59.5	83.1	87.6	90.5	92.1	92.3	92.9	93.5	93.5	93.9	93.9	93.9	93.9	93.9	94.0	94.0
≥ 900	59.5	83.3	88.1	91.1	92.9	93.1	93.8	94.3	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	59.5	83.7	88.4	91.4	93.3	93.6	94.4	95.0	95.1	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 700	59.5	83.9	88.7	91.8	93.8	94.1	95.1	95.9	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	59.5	83.9	88.8	92.0	94.1	94.4	95.5	96.3	96.4	97.0	97.1	97.1	97.1	97.1	97.2	97.2
≥ 500	59.5	84.0	88.9	92.3	94.5	94.7	96.3	97.2	97.3	97.9	98.0	98.0	98.0	98.0	98.1	98.1
≥ 400	59.6	84.1	89.0	92.4	94.9	95.4	97.0	98.0	98.1	98.9	99.0	99.0	99.0	99.1	99.1	99.1
≥ 300	59.6	84.1	89.0	92.4	94.9	95.4	97.1	98.3	98.5	99.2	99.4	99.4	99.5	99.5	99.6	99.6
≥ 200	59.6	84.1	89.0	92.4	94.9	95.4	97.1	98.4	98.5	99.3	99.5	99.5	99.6	99.7	99.7	99.7
≥ 100	59.6	84.1	89.0	92.4	94.9	95.5	97.2	98.4	98.5	99.3	99.6	99.6	99.6	99.8	99.8	99.8
≥ 0	59.6	84.1	89.0	92.4	94.9	95.5	97.2	98.4	98.5	99.3	99.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3057

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KONTIUM

37-70

YEARS

488  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.3	47.4	48.7	49.5	50.1	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	41.4	53.0	54.7	55.6	56.3	56.3	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	41.5	53.1	54.8	55.8	56.4	56.5	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 16000	41.6	53.4	55.1	56.1	56.7	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3
≥ 14000	42.1	53.9	55.7	56.7	57.2	57.4	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9
≥ 12000	42.5	55.7	57.0	57.9	58.5	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
≥ 10000	44.3	57.1	58.9	59.9	60.6	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
≥ 9000	45.0	58.4	60.3	61.3	62.0	62.1	62.3	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7
≥ 8000	46.5	60.6	62.6	63.7	64.4	64.5	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1
≥ 7000	47.4	62.7	64.8	66.0	66.8	66.9	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 6000	48.6	63.9	67.2	68.5	69.4	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
≥ 5000	50.4	68.9	71.1	72.6	73.7	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3
≥ 4500	51.1	70.1	72.5	74.1	75.2	75.4	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9
≥ 4000	52.1	72.3	75.0	76.7	78.0	78.1	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	53.1	73.9	76.9	78.6	79.9	80.1	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9
≥ 3000	54.0	76.3	79.5	81.3	82.7	82.8	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
≥ 2500	54.7	77.6	81.0	82.9	84.3	84.4	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3
≥ 2000	55.7	80.0	83.8	85.9	87.3	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5
≥ 1800	55.9	80.6	84.5	86.7	88.1	88.3	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.4
≥ 1500	56.2	81.2	85.3	87.5	89.0	89.1	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4
≥ 1200	56.3	82.0	86.4	88.7	90.3	90.4	91.3	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0
≥ 1000	56.6	82.5	86.9	89.4	91.1	91.3	92.2	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9
≥ 900	56.7	82.7	87.3	89.8	91.6	91.8	92.8	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6
≥ 800	56.7	82.8	87.5	90.1	92.1	92.3	93.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 700	56.7	83.3	88.0	90.8	92.9	93.1	94.3	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.2
≥ 600	56.7	83.4	88.2	91.2	93.5	93.8	95.3	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.3	96.3
≥ 500	56.7	83.5	88.6	91.7	94.2	94.7	96.4	97.0	97.0	97.3	97.4	97.4	97.4	97.4	97.5	97.5
≥ 400	56.7	83.6	88.6	91.8	94.4	95.0	96.9	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.4	98.4
≥ 300	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.9	98.9
≥ 200	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.3	98.4	98.9	99.1	99.4	99.5	99.6	99.7	99.7
≥ 100	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.4	98.5	99.1	99.5	99.8	99.9	99.9	99.9	99.9
≥ 0	56.8	83.7	88.7	92.0	94.8	95.4	97.3	98.4	98.5	99.1	99.5	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3026

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

148006  
STATION

CHANUTE AFB ILLI/ILIS/RANTHILL  
STATION NAME

37-62  
YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	39.4 42.1	51.7 56.6	53.1 58.2	54.5 59.3	55.5 60.3	55.6 60.9	56.1 61.4	56.2 61.6	56.2 61.6	56.5 61.3	56.6 62.0	56.6 62.0	56.8 62.3	56.8 62.3	56.8 62.3	57.1 62.7
≥ 18000 ≥ 16000	42.2 42.3	56.8 57.1	58.4 58.7	60.0 60.2	61.1 61.4	61.1 61.4	61.6 61.9	61.9 62.2	61.9 62.2	62.2 62.5	62.3 62.6	62.3 62.6	62.3 62.8	62.3 62.8	62.3 62.8	62.9 63.2
≥ 14000 ≥ 12000	42.9 43.7	57.9 59.7	59.8 61.5	61.2 63.1	62.3 64.2	62.4 64.3	62.9 64.8	63.1 65.0	63.1 65.0	63.4 65.3	63.5 65.4	63.5 65.4	63.8 65.7	63.8 65.7	63.8 65.7	64.2 66.1
≥ 10000 ≥ 9000	43.0 43.7	61.3 63.1	63.7 65.0	65.4 66.7	66.7 68.0	66.7 68.1	67.2 68.6	67.5 68.9	67.5 68.9	67.8 69.2	67.9 69.2	67.9 69.2	68.1 69.5	68.1 69.5	68.2 69.5	68.9 69.9
≥ 8000 ≥ 7000	47.4 48.6	66.2 68.2	68.3 70.4	70.2 72.4	71.6 73.7	71.6 73.8	72.1 74.3	72.4 74.6	72.4 74.6	72.7 74.9	72.8 75.0	72.8 75.0	73.0 75.3	73.0 75.3	73.1 75.3	73.4 75.7
≥ 6000 ≥ 5000	49.6 50.4	70.3 71.1	72.6 74.2	74.8 76.5	76.2 78.1	76.3 78.2	76.8 78.7	77.1 79.0	77.1 79.0	77.4 79.3	77.5 79.4	77.5 79.4	77.8 79.7	77.8 79.7	77.8 79.7	78.2 80.1
≥ 4500 ≥ 4000	50.7 52.1	72.5 74.7	74.9 77.2	77.3 79.8	79.0 81.8	79.1 81.9	79.6 82.5	79.9 82.9	79.9 82.9	80.2 83.2	80.2 83.3	80.2 83.3	80.5 83.5	80.5 83.5	80.6 83.6	80.9 84.0
≥ 3500 ≥ 3000	52.5 52.8	75.9 77.2	78.6 80.1	81.3 82.8	83.2 84.8	83.4 85.0	84.0 85.6	84.4 86.0	84.4 86.1	84.7 86.4	84.8 86.5	84.8 86.5	85.1 86.8	85.1 86.8	85.1 86.8	85.5 87.2
≥ 2500 ≥ 2000	53.3 53.7	78.2 79.1	81.1 82.4	83.9 85.3	85.9 87.0	86.1 87.8	86.7 88.5	87.2 88.9	87.2 89.0	87.6 89.3	87.7 89.4	87.7 89.4	87.9 89.7	87.9 89.7	88.0 89.7	88.4 90.1
≥ 1800 ≥ 1500	53.9 54.9	79.3 79.9	82.6 83.3	85.5 86.3	87.8 88.7	88.0 89.6	88.7 90.2	89.2 90.2	89.2 90.2	89.6 90.6	89.7 90.7	89.7 90.7	90.0 91.0	90.0 91.0	90.0 91.0	90.4 91.4
≥ 1200 ≥ 1000	54.0 54.2	80.7 81.1	84.2 84.8	87.4 88.4	90.0 91.1	90.0 91.3	90.9 92.2	91.5 92.8	91.6 92.8	92.0 93.3	92.1 93.4	92.1 93.4	92.3 93.6	92.3 93.6	92.4 93.7	92.4 94.1
≥ 900 ≥ 800	54.2 54.2	81.3 81.4	85.1 85.2	88.8 89.0	91.5 91.8	91.7 92.0	92.6 92.8	93.2 93.6	93.2 93.6	93.7 94.1	93.8 94.1	93.8 94.1	94.0 94.4	94.0 94.4	94.1 94.5	94.5 94.9
≥ 700 ≥ 600	54.3 54.3	81.7 81.9	85.0 85.9	89.5 89.9	92.4 93.0	92.7 93.2	93.7 94.6	94.4 95.4	94.4 95.4	94.9 95.9	94.9 96.0	94.9 96.0	95.3 96.4	95.3 96.4	95.4 96.5	95.8 96.8
≥ 500 ≥ 400	54.3 54.3	82.1 82.1	86.2 86.2	90.4 90.6	93.6 94.0	93.9 94.3	95.3 95.7	96.1 96.7	96.2 96.8	96.7 97.5	96.8 97.6	96.8 97.6	97.2 98.0	97.2 98.0	97.3 98.1	97.7 98.5
≥ 300 ≥ 200	54.3 54.3	82.2 82.2	86.3 86.3	90.6 90.6	94.1 94.2	94.4 94.5	96.0 96.1	97.2 97.3	97.3 97.4	98.2 98.3	98.4 98.5	98.4 98.5	98.8 99.1	98.8 99.1	99.0 99.1	99.5 99.6
≥ 100 ≥ 0	54.3 54.3	82.2 82.2	86.3 86.3	90.6 90.6	94.2 94.2	94.5 94.5	96.1 96.1	97.3 97.3	97.4 97.4	98.3 98.3	98.5 98.5	98.5 98.5	99.1 99.1	99.1 99.1	99.3 99.3	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS 2409

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SERVICE/AC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/HAMTUL  
STATION NAME

37-65  
YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
GROUPS (15)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	20.8	41.8	44.9	47.0	48.3	49.5	49.3	49.6	49.6	50.0	50.3	50.3	50.4	50.5	50.6	50.9
≥20000	29.9	47.4	51.7	54.3	55.9	56.2	57.1	57.5	57.5	57.9	58.2	58.2	58.3	58.3	58.5	59.0
≥18000	29.9	48.1	51.9	54.5	56.0	56.3	57.3	57.6	57.7	58.0	58.3	58.3	58.5	58.5	58.7	59.1
≥16000	30.4	48.9	52.8	55.5	57.2	57.3	58.4	58.8	58.8	59.2	59.5	59.5	59.7	59.7	59.9	60.3
≥14000	31.2	50.2	54.3	57.0	58.9	59.1	60.1	60.5	60.5	61.0	61.3	61.3	61.5	61.5	61.7	62.1
≥12000	33.1	52.7	57.0	59.9	62.0	62.3	63.3	63.8	63.9	64.3	64.6	64.6	64.8	64.8	65.0	65.5
≥10000	33.8	54.2	58.5	61.5	63.6	63.9	65.0	65.4	65.5	65.9	66.2	66.2	66.4	66.4	66.7	67.1
≥9000	34.9	56.4	60.9	64.0	66.2	66.5	67.6	68.1	68.2	68.6	68.9	69.0	69.1	69.2	69.4	69.8
≥8000	36.1	58.9	63.5	66.6	68.8	69.4	70.5	71.0	71.1	71.5	71.8	71.9	72.0	72.1	72.3	72.7
≥7000	37.0	60.9	65.8	68.9	71.4	71.9	73.1	73.6	73.7	74.1	74.4	74.5	74.7	74.7	74.9	75.3
≥6000	37.5	62.2	67.3	70.5	73.2	73.7	75.0	75.5	75.6	76.0	76.4	76.4	76.6	76.7	76.9	77.3
≥5000	37.8	63.0	68.2	71.5	74.2	74.7	76.0	76.5	76.6	77.0	77.4	77.4	77.6	77.7	77.9	78.3
≥4500	38.8	65.0	70.2	73.9	76.8	77.3	78.8	79.3	79.4	79.8	80.2	80.2	80.4	80.5	80.7	81.1
≥4000	39.4	66.2	71.7	75.2	78.5	79.0	80.4	80.9	81.0	81.5	81.8	81.9	82.1	82.1	82.3	82.7
≥3500	39.6	67.0	72.6	76.3	79.6	80.1	81.5	82.1	82.2	82.7	83.1	83.1	83.3	83.4	83.6	84.0
≥3000	40.0	68.0	73.7	77.5	81.1	81.5	83.0	83.6	83.7	84.3	84.7	84.7	84.9	84.9	85.1	85.6
≥2500	40.6	69.3	75.2	79.3	83.1	83.6	85.2	85.8	85.9	86.4	86.8	86.8	87.0	87.1	87.3	87.7
≥2000	40.7	69.5	75.5	79.6	83.5	84.0	85.6	86.3	86.4	87.0	87.4	87.4	87.6	87.7	87.9	88.3
≥1800	40.9	70.3	76.3	80.7	84.7	85.2	86.9	87.6	87.8	88.4	88.8	88.8	89.0	89.0	89.2	89.7
≥1500	41.1	70.8	77.0	81.6	85.7	86.1	87.9	88.6	88.8	89.4	89.8	89.9	90.0	90.0	90.2	90.7
≥1200	41.1	71.2	77.6	82.6	86.7	87.2	89.0	89.8	89.9	90.6	91.0	91.1	91.3	91.3	91.5	91.9
≥1000	41.3	71.5	78.1	83.0	87.1	87.6	89.4	90.3	90.4	91.1	91.5	91.6	91.8	91.8	92.0	92.5
≥900	41.3	71.8	78.4	83.4	87.7	88.2	90.2	91.1	91.2	91.9	92.3	92.3	92.6	92.7	92.9	93.3
≥800	41.3	71.9	78.5	83.5	88.0	88.5	90.7	91.6	91.7	92.4	92.9	93.0	93.3	93.3	93.5	93.9
≥700	41.3	72.0	78.8	84.0	88.7	89.3	91.7	92.7	92.8	93.7	94.2	94.2	94.5	94.6	94.8	95.3
≥600	41.3	72.2	79.0	84.2	89.0	89.7	92.2	93.4	93.6	94.5	95.0	95.0	95.4	95.5	95.7	96.1
≥500	41.3	72.2	79.0	84.3	89.2	89.8	92.6	93.9	94.1	95.1	95.6	95.7	96.2	96.2	96.5	96.9
≥400	41.3	72.2	79.0	84.3	89.3	90.0	93.0	94.4	94.6	95.7	96.3	96.4	97.0	97.1	97.4	98.0
≥300	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.3	98.9
≥200	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.6	99.3
≥100	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.6	99.3
≥0	41.3	72.3	79.1	84.4	89.4	90.1	93.2	94.6	94.9	96.0	96.9	97.0	97.9	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2509

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHINLE AIR ILLINOIS/RANDOL

47-70

YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	39.6	43.2	45.9	47.0	47.0	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3
≥ 20000	34.4	32.0	35.2	36.6	37.6	37.9	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.5	38.5
≥ 18000	34.7	32.2	35.4	36.8	37.8	38.1	38.4	38.5	38.6	38.6	38.6	38.6	38.6	38.7	38.7	38.7
≥ 16000	34.8	32.3	35.4	36.9	37.8	38.2	38.5	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.8	38.8
≥ 14000	35.2	33.1	36.3	37.8	38.8	39.1	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.7
≥ 12000	36.2	34.7	36.1	39.7	40.7	41.0	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	37.7	36.9	38.3	42.1	43.2	43.5	43.9	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.3
≥ 9000	38.2	37.8	41.3	43.2	44.4	44.7	45.2	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.6	45.6
≥ 8000	39.8	40.5	44.1	46.2	47.4	47.8	48.3	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8
≥ 7000	40.8	42.6	46.3	48.5	49.7	50.1	50.6	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.2
≥ 6000	41.5	43.9	47.8	50.2	51.3	51.8	52.3	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.8	52.9
≥ 5000	42.2	45.8	49.9	52.5	54.0	54.4	54.9	55.1	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.5
≥ 4500	42.5	46.5	50.7	53.3	54.8	55.2	55.7	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.3	56.4
≥ 4000	43.3	48.0	52.3	55.1	56.6	57.1	57.6	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3
≥ 3500	43.7	49.1	53.4	56.2	57.8	58.3	58.9	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.6
≥ 3000	44.3	50.1	54.6	57.4	59.2	59.7	60.3	60.6	60.7	60.9	60.9	60.9	60.9	60.9	61.0	61.1
≥ 2500	44.8	51.0	55.7	58.7	60.5	61.1	61.7	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.6
≥ 2000	45.6	52.5	57.4	60.5	62.6	63.1	63.8	64.2	64.4	64.6	64.7	64.7	64.7	64.7	64.8	64.9
≥ 1800	45.7	52.8	57.8	60.9	63.0	63.5	64.2	64.7	64.9	65.1	65.2	65.2	65.2	65.3	65.3	65.4
≥ 1500	46.3	53.8	58.7	62.1	64.3	64.9	65.6	66.0	66.3	66.6	66.7	66.7	66.7	66.8	66.9	67.0
≥ 1200	46.7	54.5	59.5	63.0	65.6	66.2	67.0	67.5	67.7	68.1	68.2	68.2	68.3	68.3	68.4	68.4
≥ 1000	47.1	55.3	60.6	64.3	67.1	67.8	68.6	69.2	69.5	69.9	70.1	70.2	70.3	70.3	70.4	70.5
≥ 900	47.3	55.8	61.1	64.8	67.7	68.5	69.4	70.1	70.3	70.8	71.0	71.0	71.2	71.2	71.3	71.4
≥ 800	47.4	56.3	61.7	65.6	68.7	69.5	70.6	71.4	71.6	72.2	72.3	72.4	72.5	72.6	72.7	72.7
≥ 700	47.6	56.6	62.2	66.2	69.5	70.3	71.5	72.5	72.8	73.3	73.6	73.6	73.8	73.8	73.9	74.0
≥ 600	47.4	56.9	62.7	66.8	70.2	71.1	72.5	73.6	73.9	74.6	74.9	75.0	75.2	75.2	75.3	75.3
≥ 500	47.5	57.2	63.0	67.3	71.0	72.0	73.6	74.9	75.2	76.0	76.4	76.5	76.7	76.8	76.9	76.9
≥ 400	47.5	57.2	63.2	67.6	71.4	72.5	74.1	75.7	76.1	77.0	77.5	77.6	77.8	77.9	78.0	78.1
≥ 300	47.5	57.3	63.2	67.8	71.6	72.8	74.6	76.4	76.8	77.9	78.5	78.7	79.0	79.1	79.2	79.2
≥ 200	47.5	57.3	63.2	67.8	71.6	72.8	74.6	76.4	76.8	77.9	78.5	78.7	79.0	79.1	79.2	79.2
≥ 100	47.5	57.3	63.2	67.8	71.6	72.8	74.6	76.4	76.8	77.9	78.5	78.7	79.0	79.1	79.2	79.2
≥ 0	47.5	57.3	63.2	67.8	71.6	72.8	74.6	76.4	76.8	77.9	78.5	78.7	79.0	79.1	79.2	79.2

TOTAL NUMBER OF OBSERVATIONS

5167

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1980  
STATION

CH-10 AFB ILLINOIS/KANTOL  
STATION NAME

27-70  
YEARS

YEARS

6Y  
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0950-1100  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.3	42.0	42.5	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	44.8	51.9	52.7	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 18000	45.0	52.1	52.9	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	45.1	52.2	53.1	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	45.5	53.3	54.1	54.7	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	46.9	55.1	56.0	56.7	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 10000	46.8	55.0	56.0	56.2	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	49.2	58.9	59.9	60.2	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	50.7	61.2	62.3	62.6	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	52.0	63.1	64.3	64.8	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	52.9	64.4	66.2	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	53.8	64.5	66.1	66.7	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	54.3	67.3	69.0	69.6	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	55.9	70.0	71.7	72.4	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3500	57.2	71.9	73.8	74.6	74.9	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	59.3	74.8	76.6	77.4	78.1	78.1	78.3	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	61.0	77.4	79.0	80.5	81.1	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2000	63.1	80.5	82.7	83.8	84.4	84.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	63.7	81.4	83.7	84.8	85.4	85.5	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1500	64.5	83.4	85.9	87.2	87.9	88.0	88.2	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1200	65.0	84.7	87.4	88.9	89.7	89.9	90.1	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	65.0	86.3	89.2	90.8	91.9	92.1	92.5	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	65.6	86.7	89.7	91.4	92.5	92.8	93.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	65.7	87.6	90.9	92.8	94.1	94.4	94.9	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	65.8	87.8	91.2	93.3	94.7	95.1	95.8	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	65.8	87.9	91.4	93.7	95.1	95.5	96.4	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	65.8	88.0	91.6	94.0	95.6	96.0	97.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	65.8	88.0	91.7	94.1	95.8	96.3	97.6	98.5	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	65.8	88.0	91.7	94.1	95.8	96.5	97.8	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	65.8	88.1	91.7	94.1	95.8	96.5	97.8	98.9	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1123

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AFB ILLINOIS/KENTON

57-70

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
GROUPS 11-15

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.3	30.2	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	34.4	30.3	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 18000	44.5	40.3	40.1	40.2	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	44.7	40.1	40.2	40.4	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	45.4	40.3	40.4	40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000	46.4	40.6	40.6	40.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	46.9	53.3	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 9000	44.6	54.3	54.7	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	51.1	56.4	56.6	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	52.2	56.2	56.6	59.0	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	53.5	60.0	60.4	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	50.4	64.2	64.6	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	57.2	65.2	65.8	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	60.2	69.0	69.2	70.8	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3500	52.8	72.3	73.2	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	66.9	77.6	79.0	80.2	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	69.3	80.7	82.2	83.3	83.5	83.5	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	71.7	84.3	86.1	87.4	87.9	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	72.2	85.1	86.9	88.3	88.8	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	73.0	86.9	88.6	90.3	90.9	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	73.5	88.8	91.1	92.8	93.6	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	73.6	89.8	92.2	94.1	95.3	95.4	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	73.6	89.9	92.5	94.4	95.7	95.9	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	73.6	90.3	93.0	95.0	96.3	96.5	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	73.6	90.3	93.1	95.3	96.7	96.9	97.4	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	73.6	90.4	93.2	95.6	97.2	97.4	98.0	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7
≥ 500	73.6	90.4	93.3	95.8	97.4	97.7	98.3	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	73.6	90.4	93.3	95.8	97.6	97.8	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	73.6	90.4	93.3	95.8	97.6	97.9	98.7	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200	73.6	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	73.6	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	73.6	90.4	93.3	95.9	97.6	97.9	98.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

3121

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14800  
STATION

GRAND ILLINOIS/KANTOL  
STATION NAME

37-70  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4/16	≥0
NO CEILING	37.0	38.3	39.0	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	47.6	50.3	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	47.7	51.0	51.3	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	46.0	51.4	51.7	51.7	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	48.7	52.6	52.6	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	50.1	54.7	54.9	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	53.1	56.3	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	53.9	59.4	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	55.9	62.0	62.3	62.3	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 7000	57.5	64.3	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	59.3	67.1	67.5	67.9	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	62.1	71.2	71.4	72.4	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	63.6	73.7	74.0	74.3	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	66.2	76.9	78.1	78.7	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	68.1	79.4	80.6	81.3	81.7	81.7	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	70.2	82.5	83.9	84.6	85.1	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	71.8	84.9	86.5	87.4	87.9	88.1	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	72.7	86.9	88.9	89.8	90.4	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	72.8	87.3	89.3	90.3	90.9	91.0	91.2	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	73.3	89.0	91.1	92.3	93.1	93.2	93.5	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	73.6	90.0	92.2	93.6	94.4	94.6	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	73.6	90.8	93.1	94.8	95.8	96.1	96.4	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	73.7	91.1	93.5	95.1	96.2	96.5	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	73.7	91.1	93.6	95.3	96.5	96.8	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	73.8	91.2	93.8	95.7	97.0	97.4	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	73.8	91.2	93.9	95.8	97.2	97.7	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	73.8	91.4	94.1	96.1	97.5	97.9	98.7	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	73.8	91.4	94.1	96.2	97.6	98.0	98.8	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	73.8	91.4	94.1	96.2	97.6	98.1	98.9	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

3149

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PREPARATION DIVISION  
USAF  
AIR FORCE SERVICE/MAC

# CEILING VERSUS VISIBILITY

1000 2 MAY 1970 ILLINOIS/RANTOUL

17-70

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000  
HOURS TT 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING ≥ 20000	49.0	46.0	46.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 3000	48.3	47.3	47.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000	48.4	47.6	47.6	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	49.1	48.1	48.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 12000	52.9	50.0	50.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 10000	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 6000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 3500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 3000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 2500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 2000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1800	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1200	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 1000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 900	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 800	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 700	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 600	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 400	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 300	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 200	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 100	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3

TOTAL NUMBER OF OBSERVATIONS 3160

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806 CHENLE AFB ILLINOIS/RANTOL

47-70

YEARS

DAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	44.6	55.3	56.6	57.3	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2
IV 18000	48.3	61.1	62.7	63.6	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
IV 16000	48.8	61.2	62.8	63.7	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
IV 14000	49.1	61.3	63.8	64.7	65.1	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6
IV 12000	50.2	63.7	65.4	66.3	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
IV 10000	51.7	65.8	67.0	68.0	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5
IV 9000	52.6	67.2	69.0	70.0	70.5	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
IV 8000	54.5	70.2	72.2	73.2	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
IV 7000	56.1	72.6	74.7	75.8	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9
IV 6000	57.6	74.8	77.0	78.3	78.8	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4
IV 5000	58.7	77.3	79.7	81.1	81.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3
IV 4500	59.2	78.4	81.0	82.4	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
IV 4000	60.4	80.4	83.2	84.8	85.6	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
IV 3500	60.7	81.3	84.2	85.9	86.8	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4
IV 3000	61.0	82.3	85.4	87.3	88.4	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
IV 2500	61.5	83.7	86.9	88.9	90.2	90.5	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3
IV 2000	61.9	85.2	88.5	90.6	92.0	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
IV 1800	62.2	85.4	88.8	90.9	92.3	92.6	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5
IV 1500	62.3	85.9	89.2	91.5	93.0	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
IV 1200	62.4	86.4	90.0	92.3	93.8	94.1	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.1	95.1	95.1
IV 1000	62.5	86.8	90.5	92.9	94.4	94.8	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.8	95.8	95.8
IV 900	62.5	86.9	90.7	93.0	94.6	95.0	95.6	95.7	95.8	95.9	95.9	95.9	95.9	96.1	96.1	96.1
IV 800	62.6	87.3	91.1	93.5	95.1	95.6	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 700	62.7	87.5	91.4	93.7	95.5	95.9	96.7	96.9	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3
IV 600	62.7	87.7	91.6	94.1	96.0	96.5	97.3	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 500	62.7	87.7	91.9	94.4	96.3	96.8	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.6	98.6	98.6
IV 400	62.7	87.9	92.0	94.7	96.7	97.2	98.1	98.6	98.7	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 300	62.7	87.9	92.0	94.6	96.9	97.4	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.6	99.6	99.6
IV 200	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	99.9
IV 100	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	99.9
IV 0	62.7	87.9	92.1	94.9	96.9	97.4	98.3	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2936

USAF ETAC FORM 0-14-5 (CL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1481.5  
STATION

CAMPBELL AIR ILLINOIS/RAVENS

37-62

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.2	54.8	56.6	58.0	59.3	59.7	60.1	60.2	60.2	60.4	60.4	60.4	60.5	60.6	60.6	60.6
≥ 20000	45.2	62.9	64.9	66.7	68.0	68.5	69.0	69.1	69.1	69.3	69.4	69.4	69.5	69.5	69.5	69.5
IV 18000	65.2	63.0	65.0	66.7	68.1	68.6	69.1	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 16000	45.2	63.1	65.2	66.9	68.3	68.8	69.3	69.3	69.3	69.6	69.6	69.6	69.7	69.8	69.8	69.8
IV 14000	46.1	64.5	66.5	68.4	69.7	70.2	70.7	70.8	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.2
IV 12000	47.5	66.6	68.8	70.6	72.0	72.5	73.2	73.2	73.2	73.5	73.5	73.5	73.6	73.7	73.7	73.7
IV 10000	49.0	69.2	71.4	73.3	74.8	75.3	76.0	76.1	76.1	76.3	76.4	76.4	76.5	76.5	76.5	76.5
IV 9000	49.4	69.9	72.1	74.3	75.5	76.0	76.7	76.8	76.8	77.0	77.1	77.1	77.2	77.2	77.2	77.2
IV 8000	50.3	72.1	74.5	76.5	78.0	78.5	79.2	79.3	79.3	79.5	79.6	79.6	79.7	79.7	79.7	79.7
IV 7000	51.2	73.6	76.2	78.3	79.8	80.3	81.0	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.5
IV 6000	51.9	75.0	77.7	79.9	81.6	82.1	82.8	82.9	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.3
IV 5000	52.5	76.3	79.4	81.9	83.5	84.0	84.7	84.8	84.8	85.0	85.1	85.1	85.2	85.2	85.2	85.2
IV 4500	52.7	77.4	80.3	82.7	84.4	84.9	85.6	85.7	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1
IV 4000	53.2	79.0	82.1	84.6	86.3	86.8	87.5	87.6	87.6	87.8	87.9	87.9	88.0	88.1	88.1	88.1
IV 3500	53.0	79.8	83.1	85.7	87.5	88.1	88.8	88.9	88.9	89.2	89.3	89.3	89.3	89.4	89.4	89.4
IV 3000	53.8	81.1	84.5	87.1	89.0	89.5	90.3	90.4	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8
IV 2500	54.1	81.7	85.2	87.9	90.0	90.5	91.3	91.4	91.4	91.7	91.7	91.7	91.8	91.9	91.9	91.9
IV 2000	54.2	82.6	86.1	88.9	91.1	91.6	92.4	92.5	92.5	92.8	92.9	92.9	92.9	93.0	93.0	93.0
IV 1800	54.2	82.7	86.3	89.2	91.4	91.9	92.6	92.9	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3
IV 1500	54.4	83.4	87.1	90.1	92.3	93.0	93.8	93.9	93.9	94.3	94.3	94.3	94.4	94.5	94.5	94.5
IV 1200	54.5	83.7	87.5	90.5	92.8	93.5	94.3	94.4	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9
IV 1000	54.5	83.8	88.0	91.1	93.4	94.1	94.9	95.0	95.0	95.3	95.5	95.5	95.6	95.7	95.7	95.7
IV 900	54.5	84.0	88.2	91.4	93.7	94.3	95.2	95.3	95.3	95.8	95.8	95.8	95.9	96.0	96.0	96.0
IV 800	54.5	84.3	88.6	91.8	94.1	94.9	95.8	95.9	95.9	96.3	96.4	96.4	96.5	96.5	96.5	96.5
IV 700	54.5	84.5	88.6	91.8	94.1	94.9	95.8	96.0	96.0	96.4	96.5	96.5	96.6	96.6	96.6	96.6
IV 600	54.6	84.5	88.7	92.1	94.5	95.3	96.4	96.5	96.5	97.0	97.1	97.1	97.2	97.2	97.3	97.3
IV 500	54.6	84.5	88.8	92.4	95.0	95.8	97.2	97.3	97.3	97.9	98.1	98.1	98.2	98.2	98.3	98.3
IV 400	54.6	84.5	89.1	92.7	95.4	96.2	97.5	97.4	97.9	98.5	98.7	98.7	98.8	98.8	98.9	98.9
IV 300	54.6	84.5	89.1	92.7	95.5	96.3	97.7	98.1	98.1	98.7	99.1	99.1	99.2	99.3	99.3	99.3
IV 200	54.6	84.5	89.1	92.7	95.5	96.3	97.7	98.2	98.2	98.8	99.2	99.2	99.4	99.4	99.4	99.4
IV 100	54.6	84.5	89.1	92.7	95.5	96.3	97.8	98.2	98.2	98.8	99.2	99.2	99.6	99.7	99.7	99.7
IV 0	54.6	84.5	89.1	92.7	95.5	96.3	97.8	98.2	98.2	98.8	99.2	99.2	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2336

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14906  
STATION

CHANDLER AFB ILLINOIS/RANTOL

27-65

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	25.8	41.5	45.2	47.7	48.7	50.1	51.1	51.7	51.8	52.2	52.3	52.3	52.3	52.4	52.6	53.0
≥ 20000	30.5	49.5	53.8	56.8	58.9	59.8	60.5	61.2	61.3	61.7	61.9	61.9	62.0	62.0	62.2	62.7
≥ 18000	30.5	49.5	53.8	57.0	59.2	59.8	60.8	61.5	61.5	62.0	62.2	62.2	62.2	62.3	62.4	63.0
≥ 16000	30.5	49.5	54.2	57.4	59.7	60.2	61.3	61.9	62.0	62.5	62.6	62.6	62.6	62.8	62.9	63.4
≥ 14000	31.0	51.0	55.5	58.9	61.2	61.7	62.8	63.4	63.5	64.0	64.1	64.1	64.2	64.3	64.4	65.0
≥ 12000	32.4	53.5	58.2	61.5	64.1	64.6	65.7	66.4	66.5	67.1	67.2	67.2	67.3	67.4	67.5	68.1
≥ 10000	33.8	56.0	61.0	64.4	67.1	67.6	68.8	69.5	69.6	70.2	70.3	70.3	70.4	70.5	70.6	71.1
≥ 9000	34.5	56.9	62.0	65.4	68.1	68.6	69.8	70.5	70.6	71.1	71.3	71.3	71.4	71.5	71.6	72.1
≥ 8000	35.7	59.4	64.6	68.2	71.1	71.7	73.0	73.7	73.8	74.4	74.5	74.5	74.6	74.7	74.8	75.4
≥ 7000	36.8	61.7	66.9	70.7	73.8	74.2	75.4	76.2	76.3	76.9	77.0	77.0	77.2	77.2	77.4	77.9
≥ 6000	37.6	63.3	68.8	72.7	75.8	76.4	77.7	78.4	78.5	79.2	79.3	79.3	79.4	79.5	79.6	80.2
≥ 5000	38.5	65.1	70.9	74.9	78.0	78.7	80.0	80.8	80.8	81.3	81.6	81.6	81.7	81.8	81.9	82.5
≥ 4500	38.5	65.5	71.3	75.4	78.6	79.3	80.6	81.4	81.5	82.1	82.2	82.2	82.4	82.4	82.6	83.1
≥ 4000	39.2	66.9	73.1	77.2	80.8	81.2	82.6	83.4	83.5	84.1	84.3	84.3	84.4	84.5	84.6	85.2
≥ 3500	39.5	67.7	73.9	78.1	81.5	82.2	83.5	84.4	84.5	85.2	85.3	85.3	85.4	85.5	85.7	86.2
≥ 3000	39.9	68.9	75.2	79.9	82.9	83.6	85.0	85.9	85.9	86.6	86.8	86.8	86.9	87.0	87.1	87.7
≥ 2500	40.1	69.7	76.1	80.3	83.9	84.5	86.1	87.0	87.1	87.8	87.9	87.9	88.0	88.1	88.3	88.8
≥ 2000	40.2	70.5	77.0	81.4	85.0	85.7	87.3	88.2	88.3	89.0	89.1	89.2	89.3	89.4	89.5	90.0
≥ 1800	40.4	70.8	77.3	81.7	85.4	86.1	87.6	88.5	88.6	89.4	89.5	89.5	89.7	89.8	89.9	90.4
≥ 1500	40.6	71.4	78.0	82.5	86.2	86.9	88.5	89.4	89.4	90.4	90.5	90.6	90.7	90.8	90.9	91.4
≥ 1200	40.8	72.1	78.7	83.3	87.0	87.7	89.3	90.2	90.3	91.2	91.4	91.4	91.5	91.6	91.8	92.3
≥ 1000	40.8	72.6	79.0	84.4	88.2	88.9	90.6	91.6	91.7	92.7	92.9	92.9	93.0	93.1	93.2	93.8
≥ 900	40.8	72.8	79.8	84.6	88.4	89.2	90.9	91.9	92.0	93.0	93.2	93.2	93.4	93.4	93.8	94.1
≥ 800	40.5	73.0	80.1	85.0	88.9	89.7	91.4	92.5	92.6	93.7	93.9	93.9	94.0	94.1	94.3	94.8
≥ 700	40.8	73.2	80.3	85.3	89.2	90.0	91.8	93.0	93.0	94.1	94.3	94.4	94.5	94.6	94.7	95.3
≥ 600	40.4	73.4	80.6	85.8	89.9	90.7	92.6	93.7	93.8	95.0	95.2	95.3	95.4	95.5	95.6	96.2
≥ 500	40.8	73.5	80.8	86.2	90.3	91.1	93.3	94.7	94.8	96.0	96.2	96.3	96.4	96.5	96.7	97.2
≥ 400	40.8	73.5	80.9	86.4	90.8	91.4	93.7	95.2	95.3	96.7	97.0	97.1	97.2	97.3	97.4	98.1
≥ 300	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.4	95.5	97.0	97.4	97.4	97.5	97.6	97.8	98.4
≥ 200	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.8	97.9	98.1	98.8
≥ 100	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.9	98.0	98.2	99.0
≥ 0	40.8	73.5	80.9	86.4	90.7	91.5	93.9	95.5	95.6	97.2	97.5	97.5	97.9	98.1	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS. 2426

USAF ETAC FORM 0-14-5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTGUL  
STATION NAME

37-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
IN ∞	30.6	46.3	44.5	50.0	50.9	51.0	51.3	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.7
IN 10000	36.7	55.5	58.0	60.7	61.7	61.9	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7
IN 8000	46.5	56.3	59.2	61.1	62.1	62.3	62.7	62.8	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.7
IN 6000	36.6	56.4	59.3	61.2	62.2	62.4	62.8	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.3
IN 4000	37.3	57.5	60.6	62.6	63.6	63.7	64.2	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7
IN 2000	38.6	59.7	63.0	65.4	66.4	66.6	67.0	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.5
IN 1000	40.8	63.5	67.1	69.7	70.9	71.1	71.6	71.7	71.7	71.9	71.9	71.9	71.9	72.0	72.0	72.0
IN 800	41.1	64.2	67.9	70.4	71.6	71.8	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.7	72.7	72.7
IN 600	42.8	66.7	70.4	73.1	74.3	74.5	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.5	75.5	75.5
IN 400	43.6	68.5	72.5	75.3	76.5	76.7	77.2	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IN 300	44.3	70.2	74.4	77.4	78.6	78.8	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9
IN 200	44.9	71.3	76.1	79.1	80.4	80.6	81.2	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.8
IN 100	45.0	72.0	76.3	79.3	80.6	80.8	81.5	81.6	81.7	81.9	81.9	81.9	81.9	82.0	82.0	82.0
IN 0	45.3	73.0	77.5	80.6	82.0	82.2	82.9	83.1	83.2	83.4	83.4	83.4	83.4	83.5	83.5	83.5
IN 10000	45.5	73.7	78.3	81.5	82.8	83.1	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.4
IN 8000	46.0	75.1	79.9	83.2	84.5	84.8	85.5	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1
IN 6000	46.4	75.9	80.9	84.2	85.6	85.9	86.7	86.9	86.9	87.1	87.1	87.1	87.1	87.2	87.2	87.3
IN 4000	47.0	77.1	82.3	85.7	87.3	87.6	88.4	88.7	88.7	89.0	89.0	89.0	89.0	89.1	89.1	89.2
IN 2000	47.1	77.4	82.5	86.0	87.6	87.9	88.7	88.9	89.0	89.2	89.3	89.3	89.3	89.4	89.4	89.4
IN 1000	47.3	78.3	83.5	87.0	88.7	89.0	89.8	90.1	90.2	90.5	90.6	90.6	90.6	90.7	90.7	90.7
IN 800	47.6	78.9	84.3	87.3	89.5	90.0	90.7	91.1	91.2	91.5	91.6	91.6	91.6	91.7	91.7	91.7
IN 600	48.0	79.9	85.5	89.1	90.9	91.4	92.3	92.8	92.9	93.3	93.3	93.3	93.3	93.4	93.4	93.5
IN 400	48.0	80.3	85.9	89.8	91.6	92.1	93.0	93.6	93.7	94.1	94.1	94.1	94.1	94.2	94.2	94.3
IN 300	48.2	80.6	86.5	90.3	92.4	92.9	93.8	94.4	94.5	94.9	95.0	95.0	95.0	95.1	95.1	95.2
IN 200	48.3	80.8	86.8	90.9	92.8	93.4	94.4	95.1	95.2	95.7	95.8	95.8	95.8	95.8	95.9	95.9
IN 100	48.3	81.0	87.0	91.3	93.4	94.0	95.3	96.0	96.2	96.7	96.8	96.8	96.8	96.9	96.9	96.9
IN 0	48.3	81.1	87.2	91.6	93.8	94.5	96.1	96.9	97.1	97.7	97.8	97.8	97.8	97.9	97.9	98.0
IN 10000	48.3	81.2	87.3	91.7	94.0	94.7	96.6	97.6	97.8	98.4	98.5	98.5	98.5	98.7	98.7	98.8
IN 8000	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.2	98.9	99.2	99.2	99.2	99.4	99.4	99.5
IN 6000	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.7	99.7	99.8
IN 4000	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 2000	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 1000	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 800	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 600	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 400	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 300	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 200	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 100	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	99.9
IN 0	48.3	81.2	87.3	91.8	94.1	94.8	96.7	98.0	98.3	99.0	99.5	99.5	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3059



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/BAHTEL

37-70

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS UT-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	36.4	46.0	46.0	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	40.4	57.7	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	46.8	57.7	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 16000	47.2	58.0	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000	47.6	58.8	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 12000	48.9	60.8	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 10000	51.4	64.5	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 9000	52.1	65.5	66.7	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	53.3	67.4	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 7000	54.3	68.9	70.4	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 6000	55.3	70.2	71.7	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000	56.3	72.2	73.9	74.4	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 4500	56.7	72.8	74.5	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	58.0	74.9	76.8	77.3	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3500	59.0	76.6	78.3	79.1	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	60.7	79.4	81.5	82.1	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500	62.6	82.1	84.3	85.0	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	64.1	84.7	87.0	87.7	88.4	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	64.4	85.5	87.8	88.6	89.3	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500	65.1	87.3	89.8	90.7	91.6	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1200	65.8	89.0	92.0	92.9	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	66.1	90.0	93.4	94.5	95.7	96.0	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 900	66.2	90.4	94.0	95.3	96.5	96.8	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	66.5	90.8	94.5	95.9	97.3	97.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	66.5	91.1	94.9	96.4	97.7	98.1	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	66.5	91.2	95.1	96.6	98.0	98.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	66.5	91.2	95.2	96.8	98.3	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	66.5	91.2	95.2	96.8	98.3	98.8	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	66.5	91.2	95.2	96.8	98.4	98.9	99.3	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3026

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/4AC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANGE APR 11/11/15/RANTJUL  
STATION NAME

37-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000	36.5	40.6	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 18000	47.6	53.7	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	48.0	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	48.2	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	48.0	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	50.5	57.2	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 9000	52.8	60.3	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	53.4	61.1	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 7000	54.3	62.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	54.9	63.5	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	56.0	65.0	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	59.1	68.5	69.6	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	61.1	70.9	72.0	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	64.9	76.1	77.1	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	67.2	79.3	80.6	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	70.6	83.5	85.0	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	72.7	86.6	88.3	88.9	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	74.4	89.5	91.3	91.9	92.2	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	74.7	90.2	92.2	92.8	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	75.4	91.7	94.0	94.8	95.2	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000	75.9	92.9	95.5	96.4	97.0	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	76.1	93.5	96.2	97.3	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	76.1	93.7	96.4	97.6	98.4	98.6	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	76.1	93.8	96.6	97.7	98.7	98.9	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	76.2	93.8	96.6	97.8	98.7	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	76.2	93.8	96.7	97.9	98.8	99.1	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 3059

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHAMBLEE AFB ILLINOIS/EASTTUL  
STATION NAME

57-70  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	40.7 54.3	44.3 59.1	44.5 59.2	44.5 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3	44.6 59.3
IV 18000 16000	54.7 54.9	59.5 59.7	59.7 59.9	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0	59.8 60.0
IV 14000 12000	55.9 57.0	60.9 62.8	61.1 63.0	61.1 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1	61.2 63.1
IV 10000 9000	59.4 60.2	66.2 67.8	66.4 67.7	66.4 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8	66.5 67.8
IV 8000 7000	61.5 62.8	69.4 71.2	69.8 71.6	69.8 71.6	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7	69.9 71.7
IV 6000 5000	64.2 67.1	73.1 77.0	73.4 77.6	73.6 77.8	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9	73.6 77.9
IV 4500 4000	68.4 71.2	78.7 82.5	79.3 83.3	79.4 83.4	79.6 83.6	79.6 83.6	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7	79.6 83.7
IV 3500 3000	72.4 74.4	84.5 87.5	85.3 88.8	85.6 89.1	85.8 89.4	85.8 89.4	85.9 89.5	85.9 89.5	85.9 89.5	86.0 89.6	86.0 89.6	86.0 89.6	86.0 89.6	86.0 89.6	86.0 89.6	86.0 89.6
IV 2500 2000	75.7 76.6	89.5 91.3	91.0 93.2	91.4 93.8	91.8 94.2	91.8 94.2	91.9 94.5	92.0 94.5	92.0 94.5	92.0 94.6	92.0 94.7	92.0 94.7	92.0 94.7	92.0 94.7	92.0 94.7	92.0 94.7
IV 1800 1500	76.6 77.1	91.5 92.3	93.4 94.3	94.0 95.0	94.4 95.5	94.4 95.6	94.6 95.9	94.7 96.0	94.7 96.0	94.8 96.1	94.8 96.1	94.8 96.1	94.8 96.1	94.8 96.1	94.8 96.1	94.8 96.1
IV 1200 1000	77.4 77.6	93.0 93.4	93.1 93.6	96.1 96.7	96.7 97.4	96.9 97.5	97.2 98.0	97.2 98.0	97.3 98.1	97.4 98.2	97.4 98.2	97.4 98.2	97.4 98.2	97.4 98.2	97.4 98.2	97.4 98.2
IV 900 800	77.6 77.7	93.4 93.6	93.6 93.8	96.7 97.0	97.4 97.8	97.7 98.1	98.1 98.6	98.2 98.6	98.2 98.7	98.3 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8
IV 700 600	77.7 77.7	93.7 93.8	93.9 94.1	97.3 97.4	98.1 98.3	98.4 98.6	98.7 99.1	99.0 99.2	99.0 99.2	99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.3	99.2 99.4	99.2 99.4	99.2 99.4
IV 500 400	77.7 77.7	93.8 93.8	96.1 96.1	97.5 97.5	98.4 98.4	98.7 98.7	99.2 99.3	99.3 99.3	99.3 99.4	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.6 99.7	99.6 99.7	99.6 99.7
IV 300 200	77.7 77.7	93.8 93.8	96.2 96.2	97.5 97.5	98.4 98.4	98.8 98.8	99.3 99.4	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 0	77.7 77.7	93.8 93.8	96.2 96.2	97.5 97.5	98.4 98.4	98.8 98.8	99.3 99.3	99.4 99.4	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9 99.9	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 3058

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANDOLPH

47-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.0	49.4	50.3	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	54.8	62.5	63.7	64.1	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	55.1	62.5	64.0	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	55.2	63.1	64.3	64.7	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	56.4	64.5	65.7	66.1	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 12000	57.8	66.5	68.2	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	60.2	70.5	72.1	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	61.1	72.1	73.6	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	62.2	74.0	75.8	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	64.0	76.5	78.5	79.5	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	65.1	78.3	80.2	80.8	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	66.7	81.0	83.1	83.9	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	67.3	81.9	84.1	85.0	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	68.8	84.2	86.6	87.8	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	69.4	85.2	87.7	89.1	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	70.3	87.2	90.0	91.4	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	70.9	88.3	91.1	92.6	93.5	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2000	71.2	89.0	92.0	93.6	94.6	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	71.3	89.2	92.1	93.8	94.7	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	71.6	89.7	92.8	94.5	95.6	95.7	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	71.8	90.1	93.2	95.2	96.5	96.5	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	71.9	90.3	93.6	95.6	97.1	97.1	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 900	71.9	90.5	93.8	95.8	97.3	97.3	97.9	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	71.9	90.5	93.9	95.9	97.4	97.5	98.1	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	72.0	90.5	93.9	96.0	97.5	97.6	98.2	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	72.0	90.6	93.9	96.1	97.7	97.7	98.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	72.0	90.6	93.9	96.2	97.9	98.0	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 400	72.0	90.6	93.9	96.3	97.9	98.0	98.8	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	72.0	90.6	94.0	96.3	98.0	98.1	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3057

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KANTOOL  
STATION NAME

37-70  
YEARS

MONTH

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.4	50.5	62.4	63.1	63.8	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 20000	53.0	67.3	68.3	70.2	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 18000	53.2	67.4	69.5	70.4	71.2	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	53.3	67.6	69.6	70.5	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
≥ 14000	53.4	68.4	70.6	71.4	72.2	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2000	55.6	70.9	73.1	74.3	74.8	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2
≥ 10000	57.2	73.8	76.0	77.0	77.8	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 9000	57.6	74.4	76.7	77.6	78.3	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9
≥ 8000	59.2	76.9	79.3	80.2	81.1	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	60.0	78.3	81.0	82.0	82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 6000	61.1	80.5	83.0	84.1	85.0	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
≥ 5000	61.6	81.7	84.5	85.9	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3
≥ 4500	62.1	82.4	85.2	86.6	87.6	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	63.1	84.3	87.4	88.8	89.9	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4
≥ 3500	63.4	85.0	88.3	89.3	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 3000	63.9	86.1	89.6	91.3	92.5	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 2500	64.5	87.3	90.9	92.6	93.8	93.9	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	64.7	87.9	91.6	93.4	94.9	94.9	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	64.8	88.1	91.8	93.7	95.2	95.3	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	64.8	88.4	92.2	94.2	95.7	95.8	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	64.9	88.6	92.3	94.5	96.0	96.1	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	64.9	88.7	92.8	94.6	96.3	96.4	96.9	97.1	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	64.9	88.8	92.9	94.9	96.5	96.5	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
≥ 800	64.9	88.9	93.1	95.1	96.7	96.8	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	64.9	89.0	93.3	95.4	97.2	97.4	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 600	65.0	89.2	93.5	95.6	97.4	97.7	98.6	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	65.0	89.3	93.6	95.8	97.6	98.0	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	65.0	89.3	93.6	95.8	97.7	98.1	99.1	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	65.0	89.3	93.7	95.9	97.8	98.2	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS...

2049

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

14806  
STATION

(CHANGE FOR ILLINOIS/PANICUL  
STATION NAME

37-62

TEAMS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.7	64.7	68.2	70.1	71.4	71.7	72.2	72.7	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 20000	44.8	69.1	74.8	74.8	76.5	76.8	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	44.8	69.1	72.8	74.8	76.6	76.8	77.5	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 16000	44.8	69.2	72.9	74.9	76.6	76.9	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 14000	45.2	70.6	74.4	76.3	78.1	78.4	79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	46.4	72.8	76.7	78.7	80.4	80.7	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 10000	47.8	75.7	79.7	81.8	83.6	83.9	84.5	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	48.3	76.6	80.7	82.8	84.6	84.9	85.5	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	48.5	77.6	81.8	84.1	85.9	86.3	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 7000	49.0	78.5	82.8	85.1	86.9	87.3	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 6000	49.4	79.7	84.1	86.4	88.3	88.7	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 5000	49.9	81.3	85.7	88.2	90.1	90.5	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4500	50.1	81.8	86.3	88.8	90.7	91.1	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000	50.5	83.0	87.5	90.1	92.1	92.5	93.2	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	50.7	83.6	88.3	90.9	92.9	93.3	94.0	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3000	50.7	84.1	88.9	91.5	93.6	94.0	94.6	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	50.9	84.4	89.2	91.9	94.0	94.5	95.2	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	50.9	84.8	89.8	92.5	94.8	95.2	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	51.0	84.9	90.0	92.6	95.0	95.4	96.2	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	51.0	85.2	90.3	93.0	95.4	95.8	96.6	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	51.1	85.4	90.6	93.4	95.8	96.2	97.1	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	51.1	85.6	90.8	93.7	96.2	96.6	97.4	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	51.1	85.7	90.9	93.8	96.3	96.7	97.5	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	51.1	85.8	91.0	93.9	96.4	96.8	97.6	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	51.1	85.9	91.1	94.0	96.5	96.9	97.7	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	51.1	86.0	91.2	94.1	96.6	97.0	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	51.1	86.0	91.3	94.2	96.7	97.1	97.9	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	51.1	86.0	91.3	94.3	96.7	97.2	98.0	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	51.1	86.0	91.4	94.4	96.8	97.3	98.1	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	51.1	86.0	91.4	94.5	96.8	97.4	98.2	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	51.1	86.0	91.5	94.6	96.9	97.5	98.3	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	51.1	86.0	91.5	94.6	97.0	97.6	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

2412

USAF ETAC FORM 0-14-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARLOTTE AFB ILLINOIS/RANTJUL  
STATION NAME

26-63  
YEARS

MONTH

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	24.1	46.0	51.2	55.2	57.9	58.6	60.0	60.4	60.5	61.1	61.4	61.4	61.8	61.8	61.9	62.1
IV 18000	25.8	52.3	58.3	63.1	66.4	67.2	68.9	69.6	69.8	70.3	70.7	70.7	71.1	71.1	71.2	71.4
IV 16000	26.0	52.3	58.3	63.1	66.5	67.3	69.0	69.7	69.8	70.4	70.8	70.8	71.2	71.2	71.3	71.5
IV 14000	27.5	53.7	59.7	64.6	68.1	68.9	70.6	71.3	71.5	72.1	72.4	72.4	72.8	72.9	72.9	73.1
IV 12000	28.5	55.8	62.2	67.2	70.8	71.7	73.4	74.2	74.3	74.9	75.3	75.3	75.7	75.7	75.8	76.0
IV 10000	29.5	58.8	65.5	70.2	74.8	75.7	77.4	78.2	78.4	79.0	79.3	79.7	79.7	79.8	79.8	80.1
IV 9000	29.7	59.2	66.0	71.3	75.4	76.3	78.1	78.9	79.0	79.6	80.0	80.0	80.4	80.4	80.5	80.7
IV 8000	30.1	60.7	67.7	73.1	77.3	78.3	80.1	80.9	81.1	81.7	82.1	82.1	82.5	82.6	82.6	82.9
IV 7000	30.6	62.0	69.0	74.4	78.7	79.6	81.2	82.3	82.5	83.1	83.5	83.5	83.9	83.9	84.0	84.2
IV 6000	31.6	63.5	70.7	76.2	80.5	81.4	83.3	84.1	84.3	85.0	85.3	85.3	85.7	85.8	85.9	86.1
IV 5000	32.2	64.9	72.3	77.7	82.1	83.1	85.1	85.9	86.1	86.7	87.0	87.0	87.4	87.5	87.5	87.8
IV 4500	32.3	65.3	72.7	78.2	82.6	83.6	85.6	86.4	86.6	87.2	87.6	87.6	88.0	88.0	88.1	88.3
IV 4000	32.5	66.8	74.3	79.8	84.3	85.3	87.3	88.1	88.3	89.0	89.4	89.4	89.8	89.8	89.9	90.2
IV 3500	33.3	67.8	75.5	81.1	85.7	86.7	88.7	89.6	89.8	90.5	90.9	90.9	91.3	91.3	91.5	91.7
IV 3000	33.6	68.7	76.7	82.6	87.3	88.3	90.4	91.2	91.4	92.1	92.5	92.5	92.9	92.9	93.1	93.3
IV 2500	33.8	69.0	77.0	82.9	87.6	88.6	90.9	91.7	91.9	92.6	93.0	93.0	93.4	93.5	93.6	93.9
IV 2000	33.8	69.6	77.7	83.7	88.6	89.6	91.6	92.5	92.7	93.3	93.7	93.7	94.2	94.2	94.4	94.6
IV 1800	33.8	69.6	77.7	83.8	88.7	89.6	91.7	92.6	92.8	93.4	93.8	93.8	94.2	94.3	94.4	94.7
IV 1500	33.9	70.0	78.1	84.2	89.2	90.2	92.3	93.1	93.3	94.0	94.4	94.4	94.8	94.9	95.0	95.3
IV 1200	34.0	70.2	78.4	84.6	89.7	90.8	92.9	93.8	94.0	94.7	95.1	95.1	95.5	95.5	95.7	95.9
IV 1000	34.0	70.5	78.8	85.2	90.4	91.5	93.7	94.6	94.8	95.5	95.9	95.9	96.3	96.3	96.5	96.7
IV 900	34.0	70.6	78.9	85.2	90.4	91.5	93.8	94.7	94.9	95.6	96.0	96.0	96.4	96.5	96.6	96.8
IV 800	34.0	70.7	79.0	85.5	90.7	91.8	94.0	95.0	95.2	95.9	96.3	96.3	96.7	96.7	96.9	97.1
IV 700	34.0	70.7	79.0	85.5	90.7	91.8	94.1	95.1	95.4	96.1	96.5	96.5	96.9	97.0	97.1	97.4
IV 600	34.0	71.0	79.4	85.9	91.3	92.4	94.6	95.7	96.0	96.8	97.2	97.2	97.7	97.7	97.9	98.1
IV 500	34.1	71.1	79.6	86.2	91.6	92.7	95.0	96.1	96.3	97.2	97.6	97.6	98.0	98.1	98.2	98.5
IV 400	34.1	71.1	79.6	86.2	91.7	92.8	95.2	96.3	96.6	97.4	97.8	97.8	98.3	98.3	98.5	98.8
IV 300	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	96.9	97.8	98.2	98.3	98.7	98.8	98.9	99.3
IV 200	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.5	99.0	99.0	99.2	99.5
IV 100	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.5	99.0	99.0	99.3	99.8
IV 0	34.1	71.1	79.6	86.3	91.8	92.9	95.4	96.7	97.0	98.0	98.4	98.5	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2539

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

14800  
STATION

CHANUTE AFB ILLINOIS/RA/ITOP

10-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	25.7	46.1	51.3	54.0	55.4	55.8	56.4	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1
≥ 20000	30.2	55.0	61.0	64.4	66.4	66.8	67.5	67.9	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.4
≥ 18000	30.4	55.3	61.3	64.7	66.6	67.0	67.8	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.7
≥ 16000	30.5	55.4	61.5	64.8	66.8	67.2	67.9	68.3	68.4	68.6	68.6	68.6	68.6	68.7	68.7	68.8
≥ 14000	30.7	56.3	62.4	65.9	67.3	68.2	69.0	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.9
≥ 12000	31.8	58.2	64.4	68.0	70.2	70.6	71.4	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.3
≥ 10000	33.5	61.4	67.8	72.0	74.6	75.2	76.0	76.4	76.5	76.7	76.7	76.7	76.7	76.8	76.8	77.0
≥ 9000	33.9	62.2	68.7	72.9	75.5	76.1	76.9	77.4	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.9
≥ 8000	35.2	64.5	71.4	75.5	78.2	78.8	79.0	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.5	80.7
≥ 7000	35.8	66.0	72.9	77.1	79.9	80.5	81.3	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.3	82.5
≥ 6000	36.4	67.2	74.3	78.7	81.4	82.0	82.9	83.5	83.6	83.7	83.8	83.8	83.8	83.9	83.9	84.1
≥ 5000	37.0	68.5	75.7	80.2	83.0	83.6	84.6	85.2	85.2	85.4	85.4	85.4	85.5	85.5	85.6	85.8
≥ 4500	37.4	69.1	76.4	80.9	83.7	84.3	85.3	85.9	85.9	86.1	86.2	86.2	86.2	86.3	86.3	86.5
≥ 4000	37.6	69.3	77.2	81.8	84.6	85.2	86.2	86.8	86.9	87.1	87.1	87.1	87.2	87.2	87.3	87.5
≥ 3500	37.8	70.1	77.7	82.4	85.2	85.8	86.8	87.4	87.5	87.7	87.7	87.7	87.8	87.9	87.9	88.1
≥ 3000	38.3	71.3	79.0	83.3	86.9	87.5	88.5	89.1	89.2	89.4	89.4	89.4	89.5	89.5	89.6	89.8
≥ 2500	38.6	72.0	79.8	84.8	87.7	88.3	89.3	89.9	90.0	90.3	90.3	90.3	90.4	90.4	90.5	90.7
≥ 2000	39.0	72.7	80.7	85.6	88.8	89.4	90.4	91.1	91.2	91.4	91.4	91.4	91.5	91.6	91.6	91.8
≥ 1800	39.0	72.8	80.8	85.9	89.0	89.6	90.7	91.3	91.4	91.6	91.7	91.7	91.7	91.8	91.8	92.0
≥ 1500	39.3	73.3	81.3	86.4	89.5	90.2	91.3	92.0	92.1	92.3	92.3	92.3	92.4	92.5	92.5	92.7
≥ 1200	39.6	73.9	82.0	87.2	90.4	91.1	92.2	92.9	93.0	93.2	93.3	93.3	93.4	93.4	93.5	93.6
≥ 1000	39.9	74.5	82.8	88.2	91.6	92.3	93.5	94.2	94.3	94.5	94.5	94.5	94.6	94.7	94.7	94.9
≥ 900	39.9	74.6	83.1	88.6	92.1	92.8	94.0	94.8	94.9	95.1	95.2	95.2	95.3	95.3	95.4	95.6
≥ 800	40.0	75.0	83.5	89.0	92.8	93.5	94.8	95.6	95.7	95.9	95.9	95.9	96.0	96.1	96.2	96.4
≥ 700	40.1	75.2	83.8	89.4	93.2	94.0	95.4	96.3	96.4	96.6	96.7	96.7	96.8	96.8	96.9	97.1
≥ 600	40.1	75.3	84.0	89.7	93.6	94.4	95.9	96.9	97.0	97.3	97.4	97.4	97.5	97.5	97.6	97.8
≥ 500	40.1	75.4	84.1	89.9	93.9	94.8	96.5	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.4	98.6
≥ 400	40.1	75.5	84.1	89.9	94.0	95.0	96.7	97.9	98.0	98.4	98.5	98.5	98.6	98.6	98.7	98.9
≥ 300	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.1	98.2	98.7	98.9	98.9	99.0	99.0	99.1	99.3
≥ 200	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.3	98.9	99.0	99.0	99.2	99.2	99.4	99.6
≥ 100	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.4	98.9	99.0	99.0	99.2	99.3	99.4	99.7
≥ C	40.1	75.5	84.1	89.9	94.0	95.1	96.9	98.2	98.4	98.9	99.0	99.0	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

3222

USAF ETAC

FORM  
JUL 54

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARTER AIR ILLINOIS/KANTON

16-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	37.7	51.1	72.4	53.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	46.7	53.4	65.4	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	46.9	64.1	65.9	66.9	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	47.1	64.4	66.2	67.2	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	47.7	65.6	67.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 12000	48.8	67.5	69.4	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	50.7	70.6	72.7	74.0	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 9000	51.6	71.5	74.0	75.4	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	52.1	73.4	75.7	77.1	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	53.0	74.6	77.3	78.8	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	53.5	75.7	78.2	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 5000	54.1	76.7	79.2	80.8	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	54.5	77.3	79.9	81.5	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	55.7	79.1	81.0	83.5	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	56.5	80.3	83.1	84.7	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	57.9	82.5	85.3	87.1	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	59.0	84.3	87.1	88.9	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	60.0	86.1	89.2	91.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	60.3	86.6	89.8	91.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	61.0	87.8	91.3	93.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	61.4	89.0	92.6	94.5	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	61.9	89.8	93.3	95.6	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	62.0	90.0	93.7	95.9	97.5	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	62.0	90.1	93.8	96.2	97.8	97.9	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥ 700	62.0	90.3	94.1	96.5	98.1	98.3	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	62.0	90.4	94.2	96.6	98.3	98.4	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 500	62.0	90.5	94.3	96.9	98.6	98.7	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 400	62.0	90.5	94.3	96.9	98.6	98.7	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300	62.0	90.5	94.3	96.9	98.6	98.7	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	62.0	90.5	94.3	96.9	98.6	98.7	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	62.0	90.5	94.3	96.9	98.6	98.7	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	62.0	90.5	94.3	96.9	98.6	98.7	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3251

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AF ILLINOIS/KANTWIL  
STATION NAME

36-70  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-1400  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	57.7	45.4	40.1	40.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	49.7	60.6	61.0	62.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000	50.0	60.4	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	50.1	61.3	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	50.9	62.0	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	52.5	64.2	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 10000	54.3	66.9	68.1	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	54.9	67.8	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	56.3	69.8	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	57.3	71.0	72.6	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 6000	58.1	72.2	73.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	60.3	75.7	77.3	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4500	62.0	77.4	79.2	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	63.4	82.3	84.0	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	67.3	84.4	86.4	87.8	88.0	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	59.6	88.3	90.5	91.5	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	71.0	90.5	92.7	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	71.9	92.2	94.5	95.7	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	72.0	92.3	94.8	96.0	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	72.2	93.0	95.5	96.7	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	72.4	93.6	96.3	97.3	97.9	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	72.4	94.0	96.8	98.1	98.5	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	72.4	94.1	96.9	98.2	98.6	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	72.4	94.2	97.0	98.3	98.8	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	72.4	94.2	97.0	98.4	98.8	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	72.5	94.3	97.1	98.4	98.9	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	72.5	94.3	97.1	98.5	98.9	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	72.5	94.3	97.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 3253

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RAILROAD

26-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1526-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.5	52.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 20000	57.8	68.2	69.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 18000	58.0	68.5	70.0	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 13000	58.1	68.9	70.2	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 14000	59.1	70.2	71.6	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	59.3	72.7	74.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	63.1	75.6	77.2	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 9000	63.7	76.2	77.9	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	64.9	78.0	79.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 7000	66.0	79.6	81.5	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	67.0	81.0	82.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	68.3	83.1	85.0	85.7	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4500	68.7	84.0	86.0	86.6	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4000	71.5	87.6	89.9	90.6	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3500	73.0	89.5	91.9	92.7	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3000	74.2	91.8	94.3	95.2	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	74.9	92.5	95.5	96.4	96.9	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 2000	75.3	93.5	96.2	97.2	97.7	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	75.3	93.7	96.4	97.4	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	75.4	94.1	96.9	97.9	98.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
IV 1200	75.5	94.3	97.1	98.2	98.8	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	75.5	94.3	97.2	98.2	98.9	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	75.5	94.4	97.2	98.2	99.0	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	75.5	94.3	97.2	98.3	99.1	99.1	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	75.5	94.4	97.3	98.3	99.1	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	75.5	94.4	97.3	98.3	99.1	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	75.5	94.4	97.3	98.4	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3232

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AIR FIELD ILLINOIS/RAH/DOL  
STATION NAME

JUL 70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	60.9	59.5	60.7	61.9	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥20000	57.0	72.1	73.9	75.1	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥18000	57.0	72.3	74.1	75.4	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥16000	57.2	72.5	74.3	75.4	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥14000	58.1	73.9	75.8	77.0	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥12000	59.6	76.0	77.9	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥10000	61.4	79.2	81.3	82.8	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥9000	62.2	80.0	82.2	83.7	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥8000	63.4	82.0	84.2	85.7	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥7000	64.4	83.2	85.7	87.3	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥6000	65.0	84.3	86.6	88.4	89.2	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥5000	65.9	85.4	88.5	90.2	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2
≥4500	66.3	86.5	89.2	90.9	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥4000	67.2	88.0	90.9	92.6	93.3	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥3500	67.4	88.4	91.4	93.2	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥3000	68.1	89.6	92.7	94.6	95.7	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥2500	68.4	90.4	93.6	95.6	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥2000	68.7	90.7	94.1	96.1	97.3	97.3	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥1800	68.7	90.7	94.1	96.2	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥1500	68.8	90.9	94.4	96.6	97.8	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥1200	68.8	91.1	94.6	96.8	98.1	98.1	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥1000	68.8	91.1	94.7	97.0	98.4	98.4	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥900	68.8	91.2	94.8	97.1	98.4	98.4	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3
≥800	68.8	91.2	94.9	97.1	98.5	98.5	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4
≥700	68.8	91.2	94.9	97.1	98.5	98.6	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6
≥600	68.8	91.3	95.0	97.2	98.7	98.8	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥500	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9
≥400	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9
≥300	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0
≥200	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0
≥100	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0
≥0	68.8	91.3	95.0	97.3	98.8	98.8	99.3	99.6	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3100

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14836  
STATION

CHANDLER AFB ILLINOIS/KANTJUL

17-70

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	49.1	67.3	70.4	71.9	72.6	73.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 20000	54.6	73.1	76.4	78.0	78.7	78.8	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 18000	53.8	73.2	76.5	78.1	78.9	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 16000	53.6	73.3	76.6	78.2	79.0	79.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 14000	54.3	74.3	77.7	79.3	80.1	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 12000	55.2	75.7	79.2	80.9	81.8	81.9	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 10000	56.6	78.5	82.2	84.1	84.9	85.0	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 9000	57.1	79.0	82.7	84.6	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 8000	57.7	80.3	84.2	86.3	87.2	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 7000	58.4	82.1	86.0	88.1	89.1	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 6000	59.3	83.7	87.7	89.8	90.8	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 5000	59.9	85.0	89.1	91.2	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4500	60.1	85.5	89.5	91.7	92.8	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 4000	60.3	86.3	90.3	92.7	93.7	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 3500	60.5	86.8	91.0	93.3	94.4	94.5	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3000	60.9	87.6	91.9	94.3	95.5	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2500	60.9	87.9	92.3	94.7	96.0	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	61.1	88.3	92.9	95.3	96.6	96.7	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	61.1	88.4	93.0	95.5	96.8	96.9	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500	61.1	88.6	93.3	95.8	97.1	97.2	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	61.1	88.7	93.3	95.9	97.3	97.4	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	61.1	88.8	93.5	96.1	97.5	97.6	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	61.1	88.8	93.5	96.1	97.5	97.6	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	61.1	88.8	93.5	96.1	97.5	97.6	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	61.1	88.8	93.5	96.1	97.5	97.6	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	61.1	88.9	93.7	96.3	97.7	97.7	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	61.1	89.0	93.8	96.4	98.0	98.1	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	61.1	89.1	94.0	96.6	98.2	98.3	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	61.1	89.1	94.0	96.7	98.3	98.4	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	61.1	89.1	94.0	96.7	98.4	98.5	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2943

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14866  
STATION

CHANDLER AFB ILLINOIS/RAV JUL  
STATION NAME

37-62  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥5/16	≥1/8	≥0
NO CEILING	28.8	61.0	64.8	68.7	70.8	71.2	72.1	72.5	72.5	73.1	73.3	73.3	73.4	73.4	73.7	73.9
≥ 20000	30.5	64.8	69.1	73.1	75.4	75.7	76.7	77.1	77.2	77.6	77.9	77.9	78.1	78.1	78.4	78.5
IV 18000	30.5	64.8	69.1	73.1	75.4	75.7	76.7	77.1	77.2	77.8	77.9	77.9	78.1	78.1	78.4	78.5
IV 16000	30.5	64.9	69.2	73.2	75.4	75.8	76.8	77.2	77.3	77.8	78.0	78.0	78.2	78.2	78.5	78.6
IV 14000	31.3	66.5	71.0	75.0	77.2	77.6	78.6	78.9	79.0	79.6	79.8	79.8	80.0	80.0	80.3	80.4
IV 12000	31.9	68.2	72.6	76.5	79.2	79.6	80.7	81.1	81.2	81.8	81.9	81.9	82.1	82.1	82.4	82.5
IV 10000	32.5	70.0	74.7	78.9	81.2	81.6	82.8	83.1	83.2	83.8	84.0	84.0	84.2	84.2	84.4	84.6
IV 9000	32.9	70.5	75.0	79.9	82.2	82.6	83.8	84.2	84.3	84.9	85.0	85.1	85.2	85.2	85.5	85.6
IV 8000	33.4	72.4	77.3	81.6	83.9	84.2	85.5	85.9	86.0	86.6	86.8	86.8	87.0	87.0	87.3	87.4
IV 7000	33.7	73.4	78.5	82.9	85.2	85.6	86.9	87.4	87.5	88.0	88.2	88.2	88.4	88.4	88.7	88.8
IV 6000	33.9	74.2	79.2	83.7	86.1	86.5	87.8	88.3	88.4	89.0	89.2	89.2	89.5	89.5	89.7	89.9
IV 5000	34.3	75.4	80.6	85.2	87.7	88.1	89.5	89.9	90.0	90.6	90.8	90.8	91.1	91.1	91.4	91.5
IV 4500	34.4	75.6	80.9	85.5	88.0	88.4	89.7	90.2	90.3	90.9	91.1	91.1	91.4	91.4	91.6	91.8
IV 4000	34.7	76.4	81.6	86.5	89.2	89.6	90.9	91.4	91.5	92.1	92.3	92.3	92.6	92.6	92.8	93.0
IV 3500	34.7	76.6	82.1	87.1	89.8	90.2	91.6	92.0	92.1	92.7	92.9	92.9	93.2	93.2	93.5	93.6
IV 3000	34.8	77.0	82.6	87.6	90.4	90.8	92.1	92.6	92.7	93.3	93.5	93.5	93.8	93.8	94.0	94.2
IV 2500	35.0	77.5	83.1	88.2	90.9	91.4	92.7	93.2	93.3	93.9	94.1	94.1	94.3	94.3	94.6	94.7
IV 2000	35.2	77.8	83.2	89.0	91.8	92.3	93.7	94.3	94.3	95.0	95.2	95.2	95.4	95.4	95.7	95.8
IV 1800	35.2	78.0	83.7	89.2	92.0	92.4	93.9	94.4	94.5	95.1	95.3	95.3	95.6	95.6	95.9	96.0
IV 1500	35.4	78.3	84.2	89.7	92.7	93.2	94.7	95.2	95.3	95.9	96.2	96.2	96.4	96.4	96.7	96.8
IV 1200	35.4	78.7	84.5	90.2	93.3	93.8	95.2	95.8	95.9	96.5	96.7	96.7	97.0	97.0	97.3	97.4
IV 1000	35.5	78.8	84.7	90.5	93.8	94.3	95.8	96.4	96.4	97.1	97.3	97.3	97.5	97.5	97.8	97.9
IV 900	35.5	78.9	84.8	90.7	93.9	94.4	95.9	96.5	96.6	97.2	97.4	97.4	97.6	97.6	97.9	98.1
IV 800	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.7	96.8	97.4	97.6	97.6	97.9	97.9	98.2	98.3
IV 700	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	97.9	97.9	98.2	98.3
IV 600	35.5	79.1	85.0	90.9	94.2	94.7	96.2	96.8	96.9	97.5	97.7	97.7	98.0	98.0	98.3	98.4
IV 500	35.5	79.1	85.1	91.0	94.4	94.9	96.4	97.0	97.1	97.7	97.9	97.9	98.2	98.2	98.5	98.6
IV 400	35.5	79.2	85.1	91.0	94.5	95.0	96.7	97.3	97.4	98.1	98.3	98.3	98.6	98.6	98.8	99.0
IV 300	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.5	97.6	98.5	98.7	98.7	98.9	98.9	99.2	99.3
IV 200	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.6	97.6	98.6	98.8	98.8	99.0	99.0	99.3	99.4
IV 100	35.5	79.2	85.2	91.1	94.6	95.1	96.8	97.6	97.6	98.6	98.8	98.8	99.1	99.1	99.5	99.6
IV 0	35.5	79.2	85.2	91.1	94.7	95.2	96.9	97.6	97.7	98.7	98.9	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2412

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-05

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	17.9	44.6	31.1	36.6	60.2	60.7	62.6	63.5	63.7	64.8	65.4	65.4	65.7	65.7	66.0	66.4
≥ 20000	16.0	47.9	34.9	61.1	65.2	65.8	65.0	69.0	69.2	70.3	70.9	70.9	71.3	71.3	71.6	72.0
IV 18000	18.8	47.9	55.0	61.1	65.4	65.9	66.0	69.1	69.3	70.4	70.9	71.0	71.4	71.4	71.7	72.1
IV 16000	18.9	48.0	55.1	61.3	65.5	66.1	66.2	69.3	69.5	70.6	71.1	71.2	71.6	71.6	71.9	72.3
IV 14000	19.4	49.2	56.5	63.0	67.2	67.8	69.9	70.9	71.2	72.2	72.8	72.9	73.3	73.3	73.9	74.0
IV 12000	19.6	50.8	58.7	65.7	70.3	70.9	73.3	74.4	74.6	75.7	76.3	76.3	76.8	76.8	77.0	77.5
IV 10000	20.6	53.1	61.2	68.3	73.2	73.8	76.2	77.3	77.5	78.6	79.2	79.2	79.7	79.7	80.0	80.4
IV 9000	20.9	53.7	61.9	69.0	73.9	74.5	76.9	78.0	78.2	79.3	79.9	79.9	80.4	80.4	80.7	81.1
IV 8000	21.4	55.2	63.0	70.8	75.8	76.5	78.9	80.0	80.2	81.3	81.9	81.9	82.4	82.4	82.8	83.1
IV 7000	21.6	56.3	64.8	72.6	77.6	78.2	80.6	81.7	82.0	83.0	83.6	83.7	84.2	84.2	84.4	84.9
IV 6000	21.6	57.1	65.9	73.7	78.7	79.4	82.0	83.1	83.3	84.4	85.0	85.0	85.6	85.6	85.8	86.2
IV 5000	22.2	58.6	67.9	75.4	80.5	81.2	83.7	84.8	85.1	86.1	86.7	86.8	87.3	87.3	87.6	88.0
IV 4500	22.3	59.1	68.1	75.9	81.1	81.9	84.4	85.6	85.8	86.9	87.5	87.5	88.1	88.1	88.3	88.7
IV 4000	22.5	60.0	69.1	77.2	82.5	83.2	85.8	87.0	87.2	88.3	88.9	88.9	89.5	89.5	89.7	90.2
IV 3500	22.6	60.4	69.6	77.8	83.2	83.9	86.5	87.7	88.0	89.1	89.7	89.8	90.3	90.3	90.6	91.0
IV 3000	22.8	60.8	70.2	78.4	83.8	84.5	87.2	88.3	88.6	89.8	90.4	90.4	91.0	91.0	91.2	91.7
IV 2500	22.9	61.1	70.6	78.9	84.3	85.0	87.7	88.9	89.1	90.3	90.9	90.9	91.5	91.5	91.8	92.2
IV 2000	23.2	61.6	71.1	79.6	85.1	85.9	88.6	89.8	90.1	91.3	91.9	91.9	92.5	92.5	92.8	93.2
IV 1800	23.2	61.7	71.3	79.8	85.3	86.1	88.8	90.1	90.3	91.5	92.1	92.2	92.8	92.8	93.0	93.5
IV 1500	23.4	61.9	71.6	80.2	85.8	86.5	89.3	90.6	90.8	92.0	92.6	92.7	93.3	93.3	93.5	94.0
IV 1200	23.5	62.1	71.8	80.5	86.2	87.0	89.8	91.1	91.3	92.5	93.1	93.2	93.8	93.8	94.1	94.5
IV 1000	23.5	62.3	72.2	81.0	86.8	87.6	90.4	91.7	92.0	93.2	93.9	93.9	94.5	94.5	94.8	95.3
IV 900	23.6	62.6	72.4	81.2	87.0	87.8	90.6	92.0	92.2	93.4	94.1	94.2	94.8	94.8	95.1	95.5
IV 800	23.7	62.8	72.7	81.5	87.4	88.1	91.0	92.4	92.7	93.9	94.6	94.6	95.2	95.2	95.5	96.0
IV 700	23.7	63.0	72.9	81.8	87.7	88.5	91.4	92.8	93.1	94.3	95.0	95.1	95.7	95.7	96.0	96.4
IV 600	23.8	63.1	73.0	82.0	87.9	88.7	91.7	93.1	93.4	94.6	95.4	95.4	96.0	96.0	96.3	96.8
IV 500	23.8	63.3	73.3	82.2	88.2	89.0	92.0	93.4	93.7	95.0	95.7	95.8	96.4	96.4	96.8	97.2
IV 400	23.8	63.3	73.3	82.3	88.3	89.1	92.1	93.7	94.1	95.4	96.1	96.2	96.8	96.8	97.2	97.6
IV 300	23.8	63.3	73.3	82.3	88.3	89.1	92.3	93.9	94.3	95.8	96.7	96.7	97.4	97.4	97.8	98.3
IV 200	23.8	63.3	73.3	82.3	88.3	89.1	92.4	94.0	94.3	95.9	96.9	97.0	97.8	97.8	98.2	98.7
IV 100	23.8	63.3	73.3	82.3	88.3	89.1	92.4	94.1	94.4	96.0	97.0	97.0	97.9	97.9	98.5	99.0
IV 0	23.8	63.3	73.3	82.3	88.3	89.1	92.4	94.1	94.4	96.0	97.0	97.0	98.0	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2540

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
GROUPS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	17.0	40.9	47.1	31.9	55.5	56.5	57.9	58.6	59.0	59.3	59.5	59.5	59.7	59.7	59.8	59.9
≥ 20000	19.4	46.8	54.0	59.5	63.6	64.7	65.4	67.5	67.7	68.0	68.2	68.3	68.4	68.5	68.5	68.6
≥ 18000	19.5	47.0	54.2	59.9	63.9	65.0	66.8	67.8	68.0	68.4	68.6	68.6	68.8	68.8	68.9	69.0
≥ 16000	19.5	47.2	54.4	60.0	64.1	65.2	66.9	68.0	68.2	68.5	68.7	68.7	68.9	68.9	69.0	69.1
≥ 14000	19.8	47.7	55.3	60.9	65.1	66.2	68.0	69.1	69.3	69.6	69.8	69.8	70.0	70.0	70.1	70.2
≥ 12000	20.5	49.7	57.8	63.7	68.2	69.3	71.1	72.3	72.5	72.8	73.0	73.0	73.2	73.2	73.3	73.4
≥ 10000	21.6	52.1	60.9	66.8	71.7	72.9	74.8	75.9	76.2	76.5	76.7	76.7	76.9	76.9	77.0	77.1
≥ 9000	21.8	52.7	61.2	67.4	72.6	73.8	75.7	76.9	77.1	77.4	77.6	77.6	77.8	77.9	77.9	78.0
≥ 8000	22.7	55.1	63.8	70.4	75.4	76.7	78.8	79.9	80.2	80.5	80.7	80.7	80.9	81.0	81.0	81.1
≥ 7000	23.2	56.4	65.5	72.4	77.4	78.7	80.8	82.0	82.2	82.5	82.7	82.8	83.0	83.0	83.1	83.2
≥ 6000	23.5	57.3	66.0	73.5	78.6	80.0	82.1	83.3	83.5	83.9	84.1	84.1	84.3	84.4	84.4	84.6
≥ 5000	23.9	58.4	67.9	74.9	80.2	81.5	83.6	85.0	85.2	85.6	85.8	85.8	86.0	86.1	86.1	86.2
≥ 4500	24.0	58.5	68.4	75.5	80.8	82.2	84.4	85.7	85.9	86.3	86.4	86.5	86.7	86.7	86.8	86.9
≥ 4000	24.4	59.9	69.6	76.8	82.3	83.7	85.9	87.2	87.4	87.8	88.0	88.0	88.2	88.3	88.3	88.5
≥ 3500	24.5	60.1	69.9	77.1	82.6	83.9	86.2	87.5	87.7	88.1	88.3	88.3	88.5	88.6	88.6	88.8
≥ 3000	24.7	60.8	70.7	78.1	83.7	85.1	87.3	88.7	88.9	89.3	89.6	89.6	89.8	89.8	89.9	90.0
≥ 2500	24.9	61.2	71.2	78.7	84.4	85.7	88.0	89.3	89.6	90.0	90.2	90.2	90.5	90.5	90.6	90.7
≥ 2000	25.1	61.6	71.7	79.5	85.2	86.6	88.9	90.2	90.5	91.0	91.2	91.2	91.5	91.5	91.6	91.7
≥ 1800	25.2	61.8	71.8	79.6	85.4	86.7	89.0	90.4	90.7	91.1	91.4	91.4	91.7	91.7	91.8	91.9
≥ 1500	25.3	62.1	72.4	80.2	86.1	87.5	89.8	91.2	91.5	92.0	92.3	92.3	92.6	92.6	92.7	92.8
≥ 1200	25.5	62.6	72.9	81.0	86.9	88.3	90.7	92.1	92.4	93.0	93.3	93.3	93.6	93.6	93.6	93.7
≥ 1000	25.6	63.0	73.5	81.5	87.6	89.0	91.4	92.7	93.2	93.7	94.0	94.1	94.3	94.3	94.4	94.5
≥ 900	25.6	63.2	73.7	81.8	88.0	89.5	91.9	93.4	93.7	94.2	94.6	94.6	94.8	94.9	94.9	95.0
≥ 800	25.7	63.3	73.9	82.1	88.4	89.9	92.4	93.9	94.2	94.8	95.1	95.1	95.4	95.4	95.5	95.6
≥ 700	25.7	63.4	74.1	82.4	88.7	90.2	92.8	94.4	94.7	95.3	95.6	95.6	95.9	95.9	95.9	96.1
≥ 600	25.7	63.6	74.3	82.6	89.1	90.7	93.3	95.0	95.3	95.9	96.2	96.2	96.5	96.5	96.6	96.7
≥ 500	25.7	63.8	74.5	83.0	89.5	91.1	93.9	95.6	96.0	96.6	96.9	96.9	97.2	97.2	97.3	97.5
≥ 400	25.7	63.8	74.5	83.2	89.8	91.5	94.4	96.3	96.6	97.3	97.6	97.7	98.0	98.0	98.1	98.3
≥ 300	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.6	96.9	97.8	98.2	98.3	98.6	98.7	98.9	99.0
≥ 200	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.8	99.0	99.1
≥ 100	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.9	99.2	99.4
≥ 0	25.7	63.8	74.5	83.2	89.8	91.6	94.6	96.7	97.0	97.9	98.4	98.4	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

3220



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLEE AFB ILLINOIS/KANSTUHL  
STATION NAME

26-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	34.3	51.6	55.5	56.7	56.5	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	39.2	60.8	65.1	66.4	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 18000	39.4	61.1	65.4	66.5	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	39.6	61.4	65.7	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 14000	40.1	62.4	66.8	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	41.3	64.7	69.5	71.3	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000	43.2	68.0	72.9	74.5	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 9000	43.7	68.8	73.6	75.5	75.6	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	44.6	70.0	75.7	77.5	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 7000	44.9	71.3	76.7	78.5	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	45.3	72.3	77.7	79.6	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	46.0	73.6	79.3	81.2	81.7	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	46.4	74.2	80.0	81.8	82.4	82.5	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	47.5	76.1	82.0	84.1	84.7	84.8	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	48.1	77.2	83.2	85.2	85.9	86.0	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	49.1	78.8	85.0	87.2	87.9	88.0	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	49.9	80.0	86.3	88.6	89.3	89.5	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	50.8	81.8	88.3	90.7	91.4	91.5	92.0	92.1	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	51.0	82.3	88.8	91.3	92.1	92.2	92.7	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	51.5	83.5	90.2	92.8	93.6	93.8	94.2	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	52.0	84.3	91.1	93.9	94.8	95.0	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	52.1	84.9	91.9	94.7	95.6	95.9	96.4	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	52.1	85.2	92.2	95.3	96.3	96.5	97.0	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	52.2	85.4	92.5	95.7	96.9	97.0	97.6	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	52.2	85.6	92.7	96.0	97.3	97.5	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	52.2	85.8	92.9	96.3	97.6	97.9	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	52.3	85.9	93.1	96.5	97.8	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	52.3	85.9	93.2	96.6	98.0	98.3	99.0	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	52.3	85.9	93.2	96.6	98.0	98.3	99.1	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3253

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLEE AFB ILLINOIS/KANTJUL  
STATION NAME

10-70  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	40.6 48.7	49.4 51.6	51.1 53.5	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1	51.6 54.1
≥ 18000	40.6 49.0	49.4 52.0	51.1 54.0	51.6 54.5	51.6 54.5	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6	51.6 54.6
≥ 16000	40.6 50.0	49.4 53.4	51.1 55.4	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0	51.6 56.0
≥ 14000	51.6 51.6	53.7 55.7	57.9 59.9	58.6 60.6	58.6 60.6	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7	58.7 60.7
≥ 12000	53.3 53.0	58.1 58.5	70.4 70.9	71.2 71.8	71.3 71.9	71.3 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0
≥ 10000	53.3 53.0	58.1 58.5	70.4 70.9	71.2 71.8	71.3 71.9	71.3 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0	71.4 72.0
≥ 8000	54.6 54.9	70.2 71.1	72.6 73.5	73.5 74.7	73.6 74.3	73.7 74.6	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9	73.8 74.9
≥ 7000	54.9 55.3	71.1 71.9	73.5 74.6	74.7 75.6	74.8 75.8	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9	74.9 75.9
≥ 6000	55.3 57.1	71.9 74.7	74.6 77.5	75.6 78.6	75.8 78.7	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8	75.9 78.8
≥ 5000	57.1 57.9	74.7 75.9	77.5 78.6	78.6 79.8	78.7 80.0	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1	78.8 80.1
≥ 4500	57.9 58.6	75.9 76.4	78.6 79.2	79.8 80.3	80.0 80.5	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6	80.1 80.6
≥ 4000	58.6 62.0	76.4 81.7	79.2 84.9	80.3 86.3	80.5 86.5	80.6 86.5	80.6 86.6	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7	80.6 86.7
≥ 3500	62.0 64.4	81.7 85.1	84.9 88.4	86.3 89.9	86.5 90.1	86.5 90.2	86.6 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4	86.7 90.4
≥ 3000	64.4 65.7	85.1 87.2	88.4 90.5	89.9 92.0	90.1 92.3	90.2 92.4	90.4 92.6	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7	90.4 92.7
≥ 2500	65.7 66.7	87.2 89.2	90.5 92.6	92.0 94.3	92.3 94.8	92.4 94.9	92.6 95.1	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2	92.7 95.2
≥ 2000	66.7 66.9	89.2 89.7	92.6 93.4	94.3 95.1	94.8 95.5	94.9 95.6	95.1 95.8	95.2 95.8	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9
≥ 1800	66.9 67.2	89.7 90.4	93.4 94.3	95.1 96.2	95.5 96.6	95.6 96.7	95.8 96.9	95.8 97.0	95.9 97.0	95.9 97.0	95.9 97.0	95.9 97.0	95.9 97.0	95.9 97.0	95.9 97.0	95.9 97.0
≥ 1500	67.2 67.4	90.4 91.4	94.3 95.5	96.2 97.5	96.6 97.9	96.7 98.0	96.9 98.2	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4
≥ 1200	67.4 67.4	91.4 91.6	95.5 95.7	97.5 97.7	97.9 98.2	98.0 98.3	98.2 98.5	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8
≥ 1000	67.4 67.4	91.6 91.7	95.7 96.0	97.7 98.0	98.2 98.5	98.3 98.6	98.5 98.9	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2
≥ 900	67.4 67.4	91.6 91.7	95.7 96.0	97.7 98.0	98.2 98.5	98.3 98.6	98.5 98.9	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2
≥ 800	67.4 67.4	91.6 91.7	95.7 96.0	97.7 98.0	98.2 98.5	98.3 98.6	98.5 98.9	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2
≥ 700	67.4 67.4	91.7 91.7	96.0 96.2	98.0 98.2	98.5 98.6	98.6 98.8	98.9 99.1	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4	99.2 99.4
≥ 600	67.4 67.5	91.7 91.9	96.2 96.3	98.2 98.3	98.6 98.8	98.8 99.0	99.1 99.4	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7
≥ 500	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 400	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 300	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 200	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 100	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 0	67.5 67.5	91.9 91.9	96.3 96.3	98.3 98.3	98.8 98.8	99.0 99.0	99.4 99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7

TOTAL NUMBER OF OBSERVATIONS

3225

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.6 54.8	54.8 67.7	56.4 69.3	56.8 69.8	56.9 69.9	56.9 69.9	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0	56.9 70.0
≥ 18000 ≥ 16000	54.7 54.8	67.9 68.4	69.0 70.0	70.0 70.5	70.2 70.6	70.2 70.6	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7	70.3 70.7
≥ 14000 ≥ 12000	55.8 57.6	69.5 72.3	71.2 74.2	71.6 74.8	71.8 74.9	71.8 74.9	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0	71.9 75.0
≥ 10000 ≥ 9000	50.0 51.0	75.7 77.0	77.8 79.2	78.3 79.8	78.5 79.9	78.5 79.9	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0	78.5 80.0
≥ 8000 ≥ 7000	52.4 53.0	79.2 80.1	81.5 82.5	82.2 83.3	82.4 83.5	82.5 83.5	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7	82.5 83.7
≥ 6000 ≥ 5000	53.6 54.9	81.1 83.1	83.5 85.6	84.3 86.6	84.5 86.8	84.5 86.8	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0	84.7 87.0
≥ 4500 ≥ 4000	55.6 57.6	84.0 86.6	86.5 89.2	87.5 90.3	87.7 90.6	87.7 90.6	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8	87.9 90.8
≥ 3500 ≥ 3000	58.2 59.1	87.6 89.3	90.3 92.0	91.5 93.4	91.9 93.8	91.9 93.8	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0	92.1 94.0
≥ 2500 ≥ 2000	59.9 70.1	91.1 92.0	94.0 95.0	95.4 96.5	95.8 97.0	95.9 97.0	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4	96.1 97.4
≥ 1800 ≥ 1500	70.1 70.3	92.2 92.8	95.3 95.8	96.8 97.4	97.3 97.9	97.3 98.0	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3
≥ 1200 ≥ 1000	70.4 70.5	93.0 93.1	96.0 96.1	97.6 97.8	98.1 98.4	98.2 98.5	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9
≥ 900 ≥ 800	70.5 70.5	93.1 93.2	96.2 96.2	97.8 97.9	98.5 98.6	98.6 98.6	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1	99.0 99.1
≥ 700 ≥ 600	70.5 70.5	93.3 93.4	96.4 96.4	98.1 98.2	98.6 98.9	98.9 99.0	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4	99.3 99.4
≥ 500 ≥ 400	70.5 70.5	93.4 93.4	96.5 96.5	98.2 98.2	99.0 99.0	99.2 99.2	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 300 ≥ 200	70.5 70.5	93.4 93.4	96.5 96.5	98.3 98.3	99.0 99.0	99.2 99.2	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 100 ≥ 0	70.5 70.5	93.4 93.4	96.5 96.5	98.3 98.3	99.0 99.0	99.2 99.2	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7

TOTAL NUMBER OF OBSERVATIONS

3251

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14866  
STATION

CHARLIE AFB ILLINOIS/RAHTEL

10-70

YEARS

6/10  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000/2000  
HOURS LT ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.9	61.0	63.7	65.1	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥20000	50.0	70.3	73.5	75.1	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥18000	50.2	70.7	73.9	75.4	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥16000	50.4	71.0	74.3	75.8	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥14000	50.8	71.9	75.2	75.8	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥12000	52.0	74.1	77.6	79.4	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥10000	54.8	77.0	80.9	82.2	83.0	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥9000	54.3	78.4	82.4	84.3	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥8000	55.7	80.5	84.8	86.7	87.5	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥7000	56.5	81.7	86.0	88.0	88.8	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥6000	57.0	82.7	87.4	89.3	90.1	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥5000	57.6	84.1	88.8	91.0	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥4500	57.9	84.5	89.4	91.6	92.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥4000	58.5	85.9	90.9	93.3	94.3	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥3500	58.8	86.4	91.4	93.8	94.8	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥3000	59.2	87.4	92.3	94.9	96.0	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥2500	59.3	87.7	92.8	95.3	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥2000	59.4	88.1	93.3	95.9	97.1	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1800	59.4	88.1	93.3	96.0	97.1	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥1500	59.5	88.5	93.8	96.5	97.7	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥1200	59.6	88.6	93.9	96.7	98.0	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥1000	59.6	88.7	94.0	96.9	98.3	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥900	59.6	88.7	94.1	97.0	98.3	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥800	59.6	88.7	94.1	97.1	98.4	98.6	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥700	59.6	88.8	94.2	97.2	98.6	98.8	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥600	59.6	88.8	94.2	97.2	98.6	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥500	59.6	88.8	94.3	97.3	98.7	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥400	59.6	88.8	94.3	97.4	98.8	99.1	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥300	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥200	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥100	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥0	59.6	88.8	94.3	97.4	98.9	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3102

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	39.7 42.0	63.5 69.8	64.8 74.5	72.3 77.2	73.0 78.4	73.8 77.8	74.3 74.4	74.4 79.5	74.4 79.5	74.5 79.6	74.5 79.6	74.5 79.6	74.5 79.6	74.6 79.7	74.6 79.7	74.6 79.7
IV 18000	42.1 42.2	69.9 70.1	74.6 74.9	77.3 77.6	78.6 78.9	78.9 79.2	79.5 79.8	79.6 79.8	79.6 79.8	79.7 79.9	79.7 80.0	79.7 80.0	79.7 80.0	79.8 80.0	79.8 80.0	79.8 80.1
IV 14000	42.9 43.7	71.0 72.7	75.9 77.8	78.6 80.5	80.3 81.9	80.2 82.1	80.8 82.8	80.9 82.8	80.9 82.8	81.0 82.9	81.0 83.0	81.0 83.0	81.0 83.0	81.1 83.0	81.1 83.0	81.1 83.1
IV 12000	44.8 45.2	74.6 75.6	79.8 80.8	82.6 83.6	84.1 85.2	84.4 85.4	85.0 86.2	85.1 86.3	85.1 86.3	85.2 86.4	85.2 86.4	85.2 86.4	85.2 86.4	85.3 86.5	85.3 86.5	85.4 86.6
IV 10000	46.2 46.8	78.1 79.1	83.6 84.7	86.5 87.6	88.1 89.3	88.4 89.3	89.2 90.3	89.3 90.4	89.3 90.4	89.4 90.5	89.4 90.6	89.4 90.6	89.4 90.6	89.5 90.7	89.5 90.7	89.6 90.7
IV 8000	47.3 47.9	80.0 81.6	85.7 87.5	88.7 90.6	90.4 92.5	90.7 92.8	91.5 93.6	91.6 93.7	91.6 93.7	91.7 93.8	91.7 93.9	91.7 93.9	91.7 93.9	91.8 94.0	91.8 94.0	91.9 94.0
IV 6000	47.9 48.3	81.6 82.7	87.5 88.8	90.6 92.1	92.5 93.9	92.8 94.2	93.6 95.1	93.7 95.2	93.7 95.2	93.8 95.3	93.9 95.4	93.9 95.4	93.9 95.4	94.0 95.5	94.0 95.5	94.0 95.5
IV 5000	48.1 48.3	82.0 82.7	88.0 88.8	91.2 92.1	93.1 93.9	93.3 94.2	94.2 95.1	94.3 95.2	94.3 95.2	94.4 95.3	94.5 95.4	94.5 95.4	94.5 95.4	94.6 95.5	94.6 95.5	94.6 95.5
IV 4500	48.3 48.6	82.7 83.6	88.8 89.9	92.1 93.3	93.9 95.2	94.2 95.5	95.1 96.5	95.2 96.5	95.2 96.5	95.3 96.6	95.4 96.7	95.4 96.7	95.4 96.7	95.5 96.8	95.5 96.8	95.5 96.8
IV 4000	48.6 48.7	83.6 83.8	89.9 90.2	93.3 93.6	95.2 95.6	95.5 95.9	96.5 96.8	96.5 96.9	96.5 96.9	96.6 97.0	96.7 97.1	96.7 97.1	96.7 97.1	96.8 97.2	96.8 97.2	96.8 97.2
IV 3500	48.7 48.8	83.8 84.1	90.2 90.5	93.6 93.9	95.6 96.1	95.9 96.4	96.8 97.3	96.9 97.4	96.9 97.4	97.0 97.5	97.1 97.6	97.1 97.6	97.1 97.6	97.2 97.7	97.2 97.7	97.2 97.8
IV 3000	48.8 48.8	84.1 84.3	90.5 90.9	93.9 94.4	96.1 96.6	96.4 96.8	97.3 97.9	97.4 98.0	97.4 98.0	97.5 98.2	97.6 98.2	97.6 98.2	97.6 98.2	97.7 98.3	97.7 98.3	97.8 98.3
IV 2500	48.8 48.9	84.3 84.4	90.9 91.1	94.4 94.6	96.6 96.8	96.8 97.1	97.9 98.3	98.0 98.3	98.0 98.3	98.1 98.4	98.2 98.5	98.2 98.5	98.2 98.5	98.3 98.6	98.3 98.6	98.3 98.6
IV 2000	48.9 48.9	84.4 84.5	91.1 91.3	94.6 94.9	96.8 97.1	97.1 97.4	98.3 98.5	98.3 98.7	98.3 98.7	98.4 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.6 99.0	98.6 99.0	98.6 99.1
IV 1800	48.9 48.9	84.5 84.6	91.3 91.5	94.9 95.2	97.1 97.5	97.4 97.8	98.5 98.9	98.7 99.2	98.7 99.2	98.9 99.3	99.0 99.5	99.0 99.5	99.0 99.5	99.1 99.7	99.1 99.7	99.1 99.7
IV 1500	48.9 48.9	84.6 84.7	91.5 91.7	95.2 95.3	97.5 97.6	97.8 97.9	98.9 99.0	99.2 99.4	99.2 99.4	99.3 99.6	99.5 99.7	99.5 99.7	99.5 99.7	99.6 99.8	99.6 99.8	99.6 99.9
IV 1200	48.9 48.9	84.7 84.7	91.7 91.8	95.3 95.3	97.6 97.6	97.9 98.0	99.0 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 1000	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 900	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 800	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 700	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 600	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 500	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 400	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 300	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 200	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 100	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9
IV 0	48.9 48.9	84.7 84.7	91.8 91.8	95.3 95.3	97.6 97.6	98.0 98.0	99.1 99.1	99.5 99.5	99.5 99.5	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.9

TOTAL NUMBER OF OBSERVATIONS

2941

DATA PROCESSING DIVISION  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHAMIE AFB ILLINOIS/RANTOL  
STATION NAME

36-63  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	38.9	61.4	64.9	66.7	67.5	68.2	69.0	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.7	69.7
≥ 20000	40.3	65.0	68.9	70.3	72.0	72.3	73.1	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.8	73.9
≥ 18000	40.3	65.1	69.1	70.4	72.1	72.4	73.2	73.6	73.7	73.7	73.7	73.7	73.8	73.8	74.0	74.0
≥ 16000	40.3	65.1	69.1	70.4	72.1	72.4	73.2	73.6	73.7	73.7	73.7	73.7	73.8	73.8	74.0	74.0
≥ 14000	40.6	65.7	69.8	71.2	73.0	73.3	74.1	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8
≥ 12000	41.5	67.3	71.4	72.7	74.5	74.8	75.7	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.4	76.4
≥ 10000	43.1	70.0	74.1	75.5	77.3	77.6	78.4	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.2	79.2
≥ 9000	43.3	70.5	74.6	76.0	77.9	78.1	79.0	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.7	79.7
≥ 8000	44.2	72.5	76.8	78.3	80.1	80.4	81.3	81.7	81.8	81.8	81.8	81.8	81.9	81.9	82.1	82.1
≥ 7000	44.8	74.5	78.8	80.3	82.5	82.7	83.6	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.4	84.4
≥ 6000	45.4	74.1	80.5	82.3	84.2	84.5	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.2	86.2
≥ 5000	46.0	77.3	81.0	83.6	85.6	85.9	86.9	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.6	87.6
≥ 4000	46.2	77.0	82.4	84.1	86.2	86.5	87.5	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.2	88.2
≥ 3500	46.4	78.7	83.4	85.3	87.5	87.8	88.7	89.1	89.2	89.3	89.3	89.3	89.4	89.4	89.5	89.5
≥ 3000	46.7	79.9	84.2	86.3	88.5	88.8	89.7	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.5	90.6
≥ 2500	47.0	80.3	85.1	87.3	89.7	90.0	91.0	91.5	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91.9
≥ 2000	47.2	80.9	85.7	88.2	90.6	90.9	91.9	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.7	92.8
≥ 1800	47.3	81.6	86.5	89.3	91.7	92.1	93.2	93.6	93.6	93.7	93.7	93.7	93.9	93.9	94.0	94.0
≥ 1500	47.3	81.8	86.7	89.5	92.0	92.3	93.4	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.3	94.3
≥ 1200	47.5	82.4	87.4	90.2	92.8	93.2	94.3	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.2	95.2
≥ 1000	47.6	83.0	88.0	91.0	93.7	94.1	95.2	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.2
≥ 900	47.7	83.2	88.2	91.4	94.2	94.7	95.8	96.3	96.4	96.6	96.6	96.6	96.7	96.7	96.8	96.9
≥ 800	47.7	83.4	88.6	91.7	94.6	95.1	96.3	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.3	97.4
≥ 700	47.7	83.4	88.8	91.9	94.8	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.5	97.5	97.6	97.6
≥ 600	47.7	83.5	88.9	92.3	95.2	95.8	97.1	97.6	97.6	97.9	97.9	97.9	98.1	98.1	98.2	98.2
≥ 500	47.7	83.5	89.0	92.3	95.4	96.1	97.4	97.9	97.9	98.2	98.2	98.2	98.4	98.4	98.5	98.5
≥ 400	47.7	83.7	89.2	92.7	95.7	96.4	97.8	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.3
≥ 300	47.7	83.7	89.2	92.7	95.7	96.4	97.8	98.7	98.8	99.3	99.4	99.4	99.6	99.6	99.7	99.7
≥ 200	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	99.8
≥ 100	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.4	99.7	99.7	99.8	99.9
≥ 0	47.7	83.7	89.2	92.7	95.8	96.4	97.9	98.8	98.8	99.3	99.4	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

2427

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CHAMPAIGN, ILLINOIS/RANTJUL

10-65

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	77.5	50.8	55.8	59.0	62.1	62.4	63.7	64.5	64.6	65.1	65.2	65.2	65.6	65.6	65.7	66.1
≥ 20000	23.8	53.1	58.5	62.5	65.9	66.3	67.7	68.5	68.6	69.2	69.4	69.4	69.8	69.8	69.8	70.3
IV 18000	23.8	53.1	58.7	62.5	66.0	66.3	67.8	68.6	68.7	69.3	69.5	69.5	69.8	69.8	69.9	70.4
IV 16000	23.8	53.1	58.7	62.6	66.0	66.3	67.8	69.0	68.7	69.3	69.5	69.5	69.8	69.8	69.9	70.4
IV 14000	29.2	53.5	59.2	63.1	66.7	67.0	68.5	69.4	69.5	70.0	70.2	70.2	70.6	70.6	70.7	71.1
IV 12000	29.6	54.9	60.7	65.0	68.6	69.0	70.6	71.5	71.5	72.2	72.4	72.4	72.8	72.8	72.8	73.2
IV 10000	31.1	57.5	63.7	67.9	71.7	72.1	73.7	74.6	74.7	75.3	75.5	75.5	75.9	75.9	76.0	76.4
IV 9000	31.2	58.1	64.3	68.4	72.4	72.8	74.5	75.4	75.4	76.1	76.3	76.3	76.7	76.7	76.7	77.2
IV 8000	32.1	60.2	66.7	71.1	75.0	75.4	77.2	78.1	78.2	78.8	79.0	79.0	79.4	79.4	79.5	79.9
IV 7000	32.2	61.5	68.5	73.2	77.2	77.6	79.3	80.3	80.3	81.0	81.2	81.2	81.6	81.6	81.6	82.1
IV 6000	33.0	62.7	69.6	74.2	78.3	78.8	80.6	81.5	81.6	82.2	82.4	82.4	82.8	82.8	82.9	83.3
IV 5000	33.6	64.1	70.9	75.4	79.6	80.3	82.1	83.0	83.1	83.7	83.9	83.9	84.3	84.3	84.4	84.9
IV 4500	33.8	64.6	71.5	76.4	80.5	81.0	82.8	83.7	83.8	84.4	84.6	84.6	85.0	85.0	85.1	85.6
IV 4000	33.9	65.4	72.5	77.5	81.7	82.2	84.0	85.0	85.1	85.7	85.9	85.9	86.3	86.3	86.4	86.9
IV 3500	34.1	66.0	73.1	78.1	82.3	82.9	84.7	85.6	85.7	86.4	86.6	86.6	87.0	87.0	87.0	87.5
IV 3000	34.4	66.9	74.1	79.4	83.6	84.2	86.0	86.9	87.0	87.7	87.9	87.9	88.3	88.3	88.4	88.9
IV 2500	34.6	67.8	75.0	80.5	84.8	85.3	87.2	88.1	88.2	88.9	89.1	89.1	89.6	89.6	89.6	90.1
IV 2000	35.0	68.7	76.0	81.7	86.1	86.6	88.5	89.5	89.6	90.4	90.6	90.6	91.0	91.0	91.1	91.6
IV 1800	35.1	68.7	76.0	81.8	86.2	86.7	88.6	89.6	89.6	90.5	90.7	90.7	91.1	91.1	91.2	91.7
IV 1500	35.2	69.0	76.4	82.3	86.6	87.2	89.2	90.2	90.3	91.1	91.3	91.4	91.8	91.8	91.9	92.4
IV 1200	35.4	69.6	77.0	83.1	87.6	88.1	89.9	91.0	91.1	91.9	92.1	92.2	92.6	92.6	92.7	93.2
IV 1000	35.6	70.0	77.6	83.8	88.5	89.0	91.1	92.2	92.3	93.1	93.3	93.4	93.8	93.8	94.0	94.4
IV 900	35.6	70.1	77.8	84.1	88.8	89.4	91.5	92.6	92.7	93.5	93.7	93.8	94.2	94.2	94.4	94.8
IV 800	35.6	70.4	78.1	84.6	89.5	90.0	92.2	93.5	93.5	94.4	94.6	94.7	95.2	95.2	95.3	95.8
IV 700	35.7	70.4	78.3	85.0	89.8	90.4	92.7	93.9	94.0	95.0	95.2	95.2	95.7	95.7	95.9	96.4
IV 600	35.8	70.6	78.5	85.3	90.3	90.9	91.3	94.6	94.6	95.7	95.9	96.7	96.5	96.5	96.6	97.1
IV 500	35.8	70.8	78.7	85.5	90.5	91.2	93.6	95.0	95.0	96.1	96.3	96.4	96.8	96.8	97.0	97.5
IV 400	35.9	70.8	78.8	85.5	90.6	91.2	93.7	95.2	95.3	96.6	96.9	96.9	97.4	97.4	97.5	98.1
IV 300	35.9	70.9	78.8	85.6	90.7	91.3	93.9	95.9	95.9	97.0	97.4	97.4	98.0	98.0	98.1	98.7
IV 200	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.9	95.9	97.6	97.8	97.8	98.5	98.5	98.7	99.2
IV 100	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.7	95.0	97.4	97.9	98.0	98.7	98.7	99.0	99.6
IV 0	35.9	70.9	79.0	85.7	90.9	91.5	94.1	95.7	96.0	97.4	97.9	98.0	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

2537

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

200115 AFB ILLINOIS/RAVAILLE  
STATION NAME

26-70  
YEARS

MONTH

0600-0800  
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	22.1	40.2	46.2	49.8	52.4	53.1	54.3	55.2	55.4	55.8	56.0	56.0	56.1	56.1	56.2	56.7
≥ 20000	23.8	42.1	51.7	56.7	59.2	59.9	61.2	62.3	62.5	63.1	63.2	63.2	63.3	63.4	63.4	63.9
≥ 18000	23.9	45.2	51.9	56.2	59.2	60.0	61.2	62.4	62.6	63.2	63.4	63.4	63.5	63.5	63.5	64.1
≥ 16000	24.0	45.4	52.1	56.4	59.2	60.2	61.2	62.4	62.8	63.4	63.6	63.6	63.7	63.7	63.7	64.3
≥ 14000	24.2	46.1	52.9	57.4	60.5	61.3	62.7	63.5	64.0	64.6	64.7	64.7	64.8	64.9	64.9	65.4
≥ 12000	24.7	47.2	54.7	59.3	62.6	63.5	65.0	66.2	66.5	67.1	67.3	67.3	67.4	67.4	67.5	68.0
≥ 10000	25.8	49.9	57.4	62.2	65.8	66.7	68.3	69.5	69.8	70.5	70.7	70.7	70.8	70.8	70.9	71.4
≥ 9000	26.2	50.8	58.2	63.2	66.8	67.8	69.4	70.6	70.9	71.6	71.8	71.8	71.9	71.9	72.0	72.5
≥ 8000	27.2	53.8	61.2	66.7	70.5	71.5	73.0	74.3	74.6	75.3	75.5	75.5	75.6	75.6	75.7	76.2
≥ 7000	27.7	55.4	63.4	68.6	72.6	73.6	75.2	76.5	76.8	77.4	77.7	77.7	77.8	77.8	77.9	78.4
≥ 6000	28.1	56.5	64.8	69.9	73.9	75.0	76.6	77.8	78.2	78.9	79.0	79.0	79.1	79.1	79.2	79.8
≥ 5000	28.5	57.4	65.6	71.0	75.1	76.2	77.9	79.2	79.5	80.3	80.4	80.4	80.5	80.5	80.6	81.2
≥ 4500	29.0	58.1	66.4	71.8	76.0	77.1	78.8	80.1	80.4	81.2	81.3	81.3	81.4	81.4	81.5	82.0
≥ 4000	29.3	59.1	67.5	73.1	77.3	78.4	80.3	81.7	82.0	82.7	82.9	82.9	83.0	83.0	83.1	83.6
≥ 3500	29.7	59.5	68.2	73.9	78.2	79.4	81.2	82.7	83.1	83.8	83.9	83.9	84.0	84.1	84.1	84.7
≥ 3000	29.9	60.2	68.9	74.6	79.1	80.3	82.2	83.7	84.1	84.8	85.0	85.0	85.1	85.2	85.2	85.8
≥ 2500	30.2	61.3	69.0	75.5	80.0	81.2	83.2	84.6	85.1	85.8	86.0	86.0	86.1	86.2	86.2	86.8
≥ 2000	30.4	61.9	70.6	76.4	81.0	82.3	84.2	85.7	86.2	86.9	87.1	87.1	87.3	87.3	87.3	87.9
≥ 1800	30.5	62.1	70.9	76.6	81.2	82.5	84.4	85.9	86.4	87.1	87.3	87.3	87.4	87.5	87.5	88.1
≥ 1500	30.7	62.3	71.6	77.4	82.2	83.5	85.4	86.9	87.4	88.2	88.4	88.4	88.5	88.6	88.6	89.2
≥ 1200	31.0	63.6	72.4	78.4	83.3	84.6	86.6	88.2	88.7	89.5	89.7	89.7	89.8	89.9	89.9	90.5
≥ 1000	31.2	64.6	73.7	79.7	84.8	86.2	88.3	90.1	90.6	91.4	91.6	91.6	91.8	91.8	91.9	92.4
≥ 900	31.2	64.7	73.8	79.9	85.2	86.6	88.9	90.7	91.2	92.1	92.2	92.2	92.4	92.4	92.5	93.0
≥ 800	31.2	64.9	74.1	80.3	85.7	87.1	89.5	91.4	91.9	92.8	92.9	92.9	93.1	93.1	93.2	93.7
≥ 700	31.3	65.2	74.5	80.9	86.2	87.9	90.4	92.4	92.9	93.8	94.1	94.1	94.2	94.2	94.3	94.9
≥ 600	31.3	65.4	74.7	81.2	87.1	88.6	91.3	93.4	93.9	94.9	95.1	95.1	95.3	95.3	95.4	95.9
≥ 500	31.4	65.4	75.0	81.7	87.7	89.1	92.0	94.2	94.8	96.0	96.2	96.3	96.4	96.5	96.5	97.1
≥ 400	31.4	65.5	75.1	81.8	88.0	89.6	92.7	95.0	95.7	97.0	97.3	97.3	97.5	97.5	97.6	98.1
≥ 300	31.4	65.5	75.1	81.9	88.2	89.8	93.0	95.6	96.4	97.9	98.4	98.4	98.7	98.7	98.8	99.4
≥ 200	31.4	65.6	75.2	82.0	88.3	89.9	93.1	95.8	96.5	98.1	98.7	98.7	99.0	99.0	99.2	99.8
≥ 100	31.4	65.6	75.2	82.0	88.3	89.9	93.1	95.8	96.6	98.2	98.7	98.8	99.0	99.1	99.2	99.8
≥ 0	31.4	65.6	75.2	82.0	88.3	89.9	93.1	95.8	96.6	98.2	98.7	98.8	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

3146

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHARLIE AIR ILLINOIS/KAMTEL  
STATION NAME

19-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.3	54.7	55.9	56.6	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	43.0	42.1	64.2	65.3	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 18000	43.3	42.8	64.6	65.7	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	43.4	42.7	65.0	66.0	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 14000	43.6	43.2	65.6	66.6	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 12000	44.4	44.7	67.1	68.1	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	46.1	47.7	70.2	71.4	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	46.4	48.3	70.9	72.0	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 8000	47.7	50.8	73.4	74.7	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	48.6	52.3	75.2	76.5	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	49.1	53.5	76.5	77.9	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	49.6	54.6	77.8	79.3	80.0	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	50.0	55.2	78.5	79.9	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4000	51.0	56.5	79.9	81.4	82.1	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	51.8	58.0	81.4	83.0	83.7	83.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	52.8	59.8	83.2	85.0	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	53.4	60.9	84.5	86.4	87.2	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	54.1	62.4	86.1	88.1	89.0	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1800	54.3	62.7	86.4	88.4	89.3	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500	54.8	64.2	88.0	90.1	91.1	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	55.3	65.5	89.7	92.0	93.1	93.3	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1000	55.6	66.6	91.0	93.4	94.8	94.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	55.6	66.9	91.4	93.9	95.3	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	55.6	67.2	91.8	94.5	96.0	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 700	55.7	67.4	92.1	94.9	96.5	96.8	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	55.8	67.7	92.6	95.5	97.1	97.5	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	55.8	67.8	92.6	95.6	97.3	97.7	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	55.8	67.8	92.7	95.7	97.4	97.9	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	55.8	67.8	92.7	95.7	97.5	98.0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	55.8	67.8	92.7	95.7	97.5	98.0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	55.8	67.8	92.7	95.7	97.5	98.0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	55.8	67.8	92.7	95.7	97.5	98.0	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

3145

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14805  
STATION

CHICAGO AFB ILLINOIS/RANTOUL  
STATION NAME

10-70  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS UT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.5	51.5	51.5	51.6	51.5	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	51.2	61.6	62.1	62.4	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	51.4	61.7	62.2	62.5	62.6	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 16000	51.5	61.9	62.4	62.7	63.0	62.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	52.0	62.6	63.1	63.4	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	53.2	64.4	64.9	65.2	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	55.2	67.5	68.1	68.4	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 9000	55.7	68.3	68.9	69.7	69.7	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 8000	55.9	70.4	71.0	71.4	71.7	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 7000	58.0	71.9	72.5	73.0	73.4	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	58.7	72.9	73.6	74.1	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	60.0	75.2	76.1	76.6	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	60.8	76.1	77.1	77.6	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000	63.6	79.8	81.0	81.5	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	65.2	82.3	83.5	84.1	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	67.2	85.4	86.7	87.4	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2500	68.7	87.0	88.9	89.9	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	69.4	89.2	90.7	91.7	92.5	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	69.5	89.7	91.2	92.2	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	70.0	91.0	92.7	93.8	94.6	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	70.2	92.0	93.9	95.0	95.9	96.0	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	70.4	92.5	94.6	95.8	96.9	97.0	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	70.4	92.7	94.8	96.0	97.2	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	70.4	92.9	95.1	96.5	97.0	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	70.4	93.1	95.3	96.7	98.1	98.2	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	70.4	93.3	95.5	96.9	98.4	98.5	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	70.4	93.3	95.6	97.0	98.5	98.7	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	70.4	93.4	95.6	97.1	98.6	98.7	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	70.4	93.4	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	70.4	93.4	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	70.4	93.6	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.4	93.6	95.6	97.1	98.6	98.7	99.3	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3146

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/ALBANY

30-70

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

100-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	44.7	55.7	56.1	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	57.1	66.9	67.5	67.7	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	57.3	67.2	67.6	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	57.5	67.3	68.0	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	57.6	67.9	68.5	68.7	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 12000	59.2	69.9	70.6	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	61.1	72.6	73.5	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 9000	61.6	73.5	74.6	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	53.4	76.4	77.3	77.5	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	64.3	78.2	79.1	79.4	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000	65.3	79.7	80.7	81.1	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 5000	66.7	82.0	83.2	83.6	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	67.6	83.2	84.4	84.8	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4000	69.7	84.1	87.3	87.8	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	70.7	87.4	88.8	89.3	89.8	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3000	71.6	89.1	90.4	91.0	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500	72.1	90.2	91.9	92.2	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	72.5	91.0	92.5	93.2	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	72.7	91.3	92.8	93.5	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	73.0	92.4	93.8	94.6	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	73.1	92.5	94.2	95.1	96.0	96.3	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
IV 1000	73.1	92.9	94.7	95.7	96.7	96.9	97.5	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
IV 900	73.1	93.0	94.9	95.9	97.0	97.2	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	73.2	93.2	95.0	96.2	97.3	97.6	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
IV 700	73.2	93.4	95.2	96.3	97.5	97.8	98.5	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	73.2	93.4	95.4	96.5	97.7	98.1	98.5	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	73.2	93.5	95.4	96.5	97.8	98.2	99.0	99.3	99.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3147

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHARLOT AFB ILLINOIS/RANDOL  
STATION NAME

36-70  
YEARS

JEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	46.4 51.5	60.4 68.1	61.0 70.1	62.8 71.2	63.2 71.6	63.4 71.7	63.4 71.8	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9	63.5 71.9
≥ 18000 ≥ 16000	51.5 51.7	68.1 68.5	70.1 71.4	71.2 71.5	71.6 72.0	71.7 72.1	71.8 72.2	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3	71.9 72.3
≥ 14000 ≥ 12000	51.7 53.2	68.5 71.1	71.4 73.1	71.5 74.4	72.0 74.8	72.1 75.0	72.2 75.1	72.3 75.1	72.3 75.2	72.3 75.2	72.3 75.2	72.3 75.2	72.3 75.2	72.3 75.2	72.3 75.2	72.3 75.2
≥ 10000 ≥ 9000	53.2 55.3	71.1 74.8	73.1 76.5	74.4 78.2	74.8 78.7	75.0 78.9	75.1 78.9	75.1 79.0	75.2 79.0	75.2 79.0	75.2 79.0	75.2 79.0	75.2 79.0	75.2 79.0	75.2 79.1	75.2 79.1
≥ 8000 ≥ 7000	55.3 57.5	74.8 79.2	76.5 81.7	78.2 83.0	78.7 83.6	78.9 83.7	78.9 83.8	79.0 83.9	79.0 83.9	79.0 83.9	79.0 83.9	79.0 83.9	79.0 83.9	79.0 83.9	79.1 83.9	79.1 83.9
≥ 6000 ≥ 5000	57.5 58.9	79.2 82.1	81.7 84.4	83.0 86.1	83.6 86.8	83.7 86.9	83.8 87.0	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1	83.9 87.1
≥ 4500 ≥ 4000	58.9 60.0	82.1 84.4	84.4 87.1	86.1 88.7	86.8 89.4	86.9 89.6	87.0 89.6	87.1 89.7	87.1 89.8	87.1 89.8	87.1 89.8	87.1 89.8	87.1 89.8	87.1 89.8	87.1 89.8	87.1 89.8
≥ 3500 ≥ 3000	60.0 61.1	84.4 87.2	87.1 90.4	88.7 92.3	89.4 93.1	89.6 93.3	89.6 93.4	89.7 93.5	89.8 93.6	89.8 93.6	89.8 93.6	89.8 93.6	89.8 93.6	89.8 93.6	89.8 93.6	89.8 93.6
≥ 2500 ≥ 2000	61.1 61.3	87.2 88.1	90.4 91.4	92.3 93.3	93.1 94.4	93.3 94.6	93.4 94.8	93.5 95.1	93.6 95.2	93.6 95.2	93.6 95.2	93.6 95.2	93.6 95.2	93.6 95.2	93.6 95.2	93.6 95.2
≥ 1800 ≥ 1500	61.3 61.4	88.1 88.5	91.4 92.0	93.3 94.2	94.4 95.1	94.6 95.3	94.8 95.7	95.1 95.8	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9	95.2 95.9
≥ 1200 ≥ 1000	61.4 61.6	88.5 89.5	92.0 93.3	94.2 95.5	95.1 96.9	95.3 97.1	95.7 97.5	95.8 97.7	95.9 97.7	95.9 97.7	95.9 97.7	95.9 97.7	95.9 97.7	95.9 97.7	95.9 97.7	95.9 97.7
≥ 900 ≥ 800	61.6 61.7	89.5 89.8	93.3 93.7	95.5 96.2	96.9 97.6	97.1 97.8	97.5 98.3	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5
≥ 700 ≥ 600	61.7 61.7	89.8 89.9	93.7 93.8	96.2 96.3	97.6 97.9	97.8 98.1	98.3 98.6	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 98.9
≥ 500 ≥ 400	61.7 61.7	89.9 89.9	93.8 93.8	96.3 96.4	97.9 98.0	98.1 98.3	98.6 98.7	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0	98.9 99.0
≥ 300 ≥ 200	61.7 61.7	89.9 89.9	93.8 93.8	96.4 96.5	98.0 98.1	98.3 98.4	98.7 99.0	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3	99.0 99.3
≥ 100 ≥ 0	61.7 61.7	89.9 89.9	93.8 93.8	96.5 96.5	98.1 98.1	98.4 98.4	99.0 99.0	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3

TOTAL NUMBER OF OBSERVATIONS 3072

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1980  
STATION

CHANDLER AFB ILLINOIS/KANTUW  
STATION NAME

26-70  
YEARS

3-P  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.8	64.1	66.6	67.7	68.6	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 20000	48.6	69.6	71.8	73.0	73.8	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	48.6	69.6	72.0	73.2	74.0	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	48.6	69.6	72.2	73.5	74.3	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	49.4	70.5	73.3	74.5	75.3	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
≥ 12000	50.0	71.8	74.6	75.9	76.7	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	51.2	74.1	77.0	78.4	79.2	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 9000	51.6	74.7	77.8	79.2	80.0	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	52.6	75.9	80.0	81.4	82.3	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	53.2	78.9	84.0	83.6	84.5	84.8	85.0	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	54.0	80.1	83.4	85.0	86.0	86.3	86.5	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	54.5	81.5	85.0	86.7	87.7	88.0	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.6	88.6	88.6
≥ 4500	55.0	82.2	85.7	87.5	88.5	88.8	89.0	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 4000	55.5	83.4	87.1	88.8	89.9	90.2	90.4	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8
≥ 3500	55.7	83.9	87.8	89.8	91.0	91.3	91.5	91.6	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9
≥ 3000	55.8	84.2	88.5	90.6	91.9	92.2	92.5	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9
≥ 2500	56.0	85.2	89.3	91.6	93.0	93.3	93.6	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1
≥ 2000	56.3	86.1	90.4	92.8	94.4	94.7	95.1	95.3	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6
≥ 1800	56.3	86.3	90.8	93.2	94.8	95.1	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0
≥ 1500	56.4	86.7	91.2	93.6	95.2	95.6	96.0	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5
≥ 1200	56.6	87.2	91.8	94.2	95.9	96.3	96.8	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 1000	56.7	87.6	92.3	94.8	96.6	97.0	97.5	97.7	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 900	56.7	87.8	92.6	95.1	97.0	97.4	97.9	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 800	56.7	87.9	92.7	95.3	97.2	97.6	98.2	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	56.7	88.0	92.8	95.5	97.4	97.9	98.6	98.7	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 600	56.7	88.1	92.9	95.6	97.6	98.0	98.7	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	56.7	88.1	92.9	95.6	97.6	98.1	98.8	99.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4
≥ 400	56.7	88.1	92.9	95.6	97.7	98.2	99.0	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	56.7	88.1	92.9	95.6	97.7	98.2	99.0	99.2	99.3	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 200	56.7	88.1	92.9	95.6	97.7	98.3	99.1	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 100	56.7	88.1	92.9	95.6	97.7	98.3	99.1	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 0	56.7	88.1	92.9	95.6	97.7	98.3	99.1	99.3	99.4	99.6	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2867

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

1-806  
STATION

CHARLIE APP ILLINOIS/KANTON

46-63

YEARS

1-01  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	30.3	55.1	59.7	63.2	65.4	66.0	67.2	67.6	67.7	68.1	68.3	68.3	68.4	68.4	68.7	69.0
≥ 20000	31.2	57.7	62.0	66.2	68.5	69.1	70.3	70.9	70.8	71.3	71.5	71.5	71.6	71.7	72.0	72.4
≥ 18000	31.5	57.7	62.0	66.3	68.6	69.2	70.4	70.9	70.9	71.4	71.6	71.6	71.7	71.7	72.1	72.5
≥ 16000	31.5	57.7	62.0	66.4	68.6	69.2	70.5	70.9	71.0	71.5	71.7	71.7	71.7	71.9	72.1	72.5
≥ 14000	31.6	58.1	63.1	67.3	69.3	69.9	71.1	71.6	71.6	72.1	72.3	72.3	72.5	72.5	72.9	73.2
≥ 12000	32.0	59.1	64.2	68.1	70.4	71.0	72.2	72.7	72.7	73.2	73.4	73.4	73.5	73.6	73.9	74.3
≥ 10000	33.1	61.0	66.2	70.2	72.5	73.1	74.4	74.9	74.9	75.4	75.6	75.6	75.8	75.8	76.1	76.5
≥ 9000	33.4	61.8	67.0	71.0	73.3	73.9	75.1	75.6	75.7	76.2	76.4	76.4	76.5	76.6	76.9	77.3
≥ 8000	34.1	63.2	68.7	72.9	75.2	75.9	77.2	77.8	77.8	78.3	78.5	78.5	78.7	78.7	79.0	79.4
≥ 7000	34.5	64.1	70.0	74.2	76.8	77.4	78.7	79.2	79.3	79.8	80.0	80.0	80.2	80.2	80.5	80.9
≥ 6000	34.9	65.0	71.0	75.3	78.0	78.6	79.9	80.5	80.5	81.1	81.2	81.2	81.4	81.4	81.8	82.2
≥ 5000	35.6	66.8	73.0	77.5	80.3	80.9	82.3	82.9	82.9	83.4	83.6	83.6	83.8	83.8	84.2	84.6
≥ 4500	35.8	67.1	73.4	78.0	80.9	81.6	83.0	83.5	83.6	84.1	84.3	84.3	84.5	84.5	84.8	85.2
≥ 4000	36.2	68.0	74.6	79.6	82.5	83.1	84.6	85.2	85.3	85.8	86.0	86.0	86.1	86.2	86.5	86.9
≥ 3500	36.4	68.5	75.3	80.5	83.5	84.1	85.6	86.2	86.2	86.7	86.9	86.9	87.1	87.1	87.5	87.9
≥ 3000	37.0	69.5	76.5	81.8	84.8	85.4	87.0	87.5	87.6	88.1	88.3	88.3	88.4	88.5	88.8	89.2
≥ 2500	37.2	70.3	77.5	82.8	85.8	86.5	88.0	88.6	88.6	89.1	89.3	89.3	89.5	89.5	89.9	90.3
≥ 2000	37.6	71.3	78.5	84.2	87.4	88.0	89.6	90.1	90.2	90.7	90.9	90.9	91.0	91.1	91.4	91.8
≥ 1800	37.6	71.4	78.6	84.3	87.5	88.1	89.7	90.3	90.3	90.8	91.0	91.0	91.2	91.2	91.6	92.0
≥ 1500	37.6	71.6	79.1	84.9	88.3	88.9	90.5	91.1	91.2	91.7	91.9	91.9	92.0	92.1	92.4	92.8
≥ 1200	37.7	72.0	79.7	85.6	89.1	89.7	91.3	91.9	92.0	92.5	92.7	92.7	92.8	92.9	93.2	93.6
≥ 1000	37.9	72.5	80.2	86.3	90.0	90.6	92.3	92.9	93.0	93.5	93.7	93.7	93.9	93.9	94.2	94.6
≥ 900	37.9	72.5	80.3	86.4	90.2	90.8	92.5	93.2	93.3	93.8	94.0	94.0	94.1	94.2	94.5	94.9
≥ 800	38.0	72.9	80.6	86.9	90.8	91.4	93.3	94.1	94.2	94.7	94.9	94.9	95.1	95.1	95.4	95.8
≥ 700	38.0	73.0	80.8	87.1	91.2	91.9	93.9	94.6	94.7	95.3	95.5	95.5	95.6	95.7	96.0	96.4
≥ 600	38.0	73.0	80.9	87.4	91.6	92.3	94.3	95.1	95.2	95.8	96.0	96.0	96.1	96.2	96.5	96.9
≥ 500	38.0	73.2	81.1	87.6	91.9	92.6	94.7	95.5	95.6	96.2	96.4	96.4	96.6	96.6	97.0	97.4
≥ 400	38.0	73.2	81.2	87.7	92.3	93.0	95.2	96.1	96.4	97.1	97.5	97.5	97.7	97.7	98.1	98.5
≥ 300	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.7	97.5	98.0	98.0	98.2	98.2	98.6	99.0
≥ 200	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.2	98.2	98.4	98.5	98.9	99.3
≥ 100	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.3	98.3	98.5	98.5	98.9	99.3
≥ 0	38.0	73.2	81.2	87.7	92.4	93.1	95.5	96.5	96.8	97.6	98.3	98.3	98.5	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 2566

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTJUL  
STATION NAME

36-62  
YEARS

MONTH

001

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	23.9	46.6	52.1	57.3	60.5	61.1	62.9	63.3	63.4	64.5	64.7	64.7	65.2	65.3	65.6	66.2
≥ 18000	24.3	48.2	54.1	59.6	63.2	63.9	65.8	66.2	66.2	67.4	67.6	67.6	68.3	68.3	68.7	69.2
≥ 16000	24.4	48.3	54.2	59.7	63.3	64.1	65.9	66.3	66.4	67.5	67.7	67.7	68.4	68.4	68.8	69.3
≥ 14000	24.4	48.7	54.6	60.3	63.9	64.7	66.5	66.9	67.0	68.1	68.3	68.3	69.0	69.0	69.4	69.9
≥ 12000	24.9	49.9	55.8	61.3	65.1	65.9	67.8	68.2	68.3	69.4	69.6	69.6	70.3	70.3	70.7	71.2
≥ 10000	25.7	51.6	57.6	63.4	67.2	68.0	69.9	70.3	70.4	71.6	71.8	71.8	72.5	72.5	72.9	73.4
≥ 9000	25.8	51.9	58.0	63.7	67.7	68.4	70.3	70.8	70.8	72.1	72.2	72.2	72.9	72.9	73.3	73.8
≥ 8000	26.5	53.0	59.2	65.1	69.1	69.9	71.9	72.3	72.4	73.6	73.8	73.8	74.4	74.4	74.8	75.4
≥ 7000	26.9	54.2	60.7	66.7	70.8	71.6	73.6	74.0	74.1	75.3	75.5	75.5	76.1	76.1	76.5	77.1
≥ 6000	27.8	56.1	62.8	68.9	73.1	73.9	75.9	76.3	76.4	77.6	77.8	77.8	78.4	78.4	78.8	79.4
≥ 5000	28.4	57.4	64.4	70.7	74.9	75.7	77.7	78.2	78.3	79.5	79.7	79.7	80.4	80.4	80.8	81.3
≥ 4500	28.7	58.1	65.1	71.6	75.8	76.6	78.7	79.2	79.3	80.5	80.7	80.7	81.4	81.4	81.8	82.3
≥ 4000	29.1	59.2	66.3	73.0	77.2	78.0	80.1	80.6	80.7	81.9	82.1	82.1	82.8	82.8	83.2	83.7
≥ 3500	29.5	60.0	67.3	74.2	78.5	79.3	81.5	82.0	82.1	83.3	83.5	83.5	84.2	84.2	84.6	85.1
≥ 3000	29.8	60.8	68.0	75.4	79.8	80.6	82.9	83.3	83.4	84.7	84.9	84.9	85.6	85.6	86.0	86.5
≥ 2500	29.9	61.2	69.1	76.0	80.5	81.3	83.6	84.0	84.1	85.4	85.6	85.6	86.3	86.3	86.7	87.1
≥ 2000	30.3	62.3	70.3	77.4	82.0	82.8	85.2	85.7	85.8	87.1	87.3	87.3	88.0	88.0	88.4	88.9
≥ 1800	30.3	62.4	70.6	77.7	82.4	83.2	85.7	86.1	86.2	87.5	87.7	87.7	88.4	88.4	88.8	89.3
≥ 1500	30.3	63.2	71.6	78.7	83.6	84.4	86.8	87.4	87.5	88.8	89.0	89.0	89.6	89.6	90.1	90.6
≥ 1200	30.5	63.5	71.9	79.2	84.3	85.2	87.7	88.2	88.4	89.6	89.8	89.8	90.5	90.6	90.9	91.5
≥ 1000	30.8	64.1	72.7	80.2	85.6	86.5	89.0	89.6	89.7	91.0	91.2	91.2	91.9	91.9	92.3	92.8
≥ 900	30.8	64.2	72.8	80.4	85.9	86.7	89.3	89.9	90.0	91.4	91.6	91.6	92.3	92.3	92.7	93.2
≥ 800	30.8	64.4	73.2	81.0	86.7	87.6	90.4	91.1	91.2	92.6	92.8	92.8	93.4	93.4	93.8	94.4
≥ 700	30.8	64.5	73.3	81.2	87.3	88.2	91.1	91.8	92.0	93.4	93.6	93.6	94.3	94.3	94.7	95.3
≥ 600	30.8	64.5	73.4	81.5	87.6	88.5	91.7	92.4	92.6	94.2	94.4	94.4	95.1	95.1	95.5	96.1
≥ 500	30.8	64.7	73.7	81.8	87.9	88.9	92.1	92.9	93.1	94.7	94.9	94.9	95.6	95.6	96.0	96.6
≥ 400	30.8	64.7	73.8	82.0	88.3	89.3	92.7	93.6	93.8	95.5	95.7	95.7	96.5	96.5	96.9	97.4
≥ 300	30.8	64.8	73.8	82.1	88.4	89.4	92.8	93.7	93.9	95.7	96.1	96.1	96.9	96.9	97.3	97.8
≥ 200	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.8	96.3	96.3	97.2	97.2	97.7	98.2
≥ 100	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.9	96.4	96.4	97.4	97.4	98.0	98.7
≥ 0	30.8	64.8	73.8	82.1	88.4	89.4	92.9	93.9	94.1	95.9	96.4	96.4	97.4	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2637

USAF ETAC FORM 0-14-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14846  
STATION

CAMPBELL AFB ILLINOIS/RAITCLIFF

16-70

YEARS

101  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥0
NO CEILING	19.8	36.2	42.0	46.4	50.6	51.6	53.6	54.8	54.9	55.7	56.2	56.7	56.4	56.5	56.6	57.3
≥ 20000	21.0	40.2	46.3	51.1	55.9	57.2	59.5	61.0	61.1	61.9	62.4	62.4	62.7	62.8	62.9	63.7
≥ 18000	21.0	40.3	46.3	51.2	56.0	57.3	59.6	61.1	61.2	62.0	62.5	62.5	62.8	62.9	63.1	63.8
≥ 16000	21.0	40.3	46.3	51.3	56.1	57.3	59.7	61.1	61.3	62.1	62.6	62.6	62.9	62.9	63.1	63.9
≥ 14000	21.1	40.4	46.7	51.7	56.5	57.8	60.2	61.7	61.8	62.6	63.1	63.1	63.4	63.5	63.7	64.4
≥ 12000	21.4	41.3	47.8	52.8	57.6	58.9	61.5	63.0	63.1	64.0	64.5	64.5	64.8	64.9	65.0	65.8
≥ 10000	22.6	43.2	50.0	55.2	60.3	61.7	64.2	65.8	65.9	66.8	67.3	67.3	67.7	67.7	67.9	68.6
≥ 9000	22.9	44.0	50.9	56.3	61.5	62.8	65.4	67.0	67.2	68.0	68.5	68.5	68.9	68.9	69.1	69.9
≥ 8000	23.7	45.7	52.9	58.6	64.0	65.4	68.1	69.8	69.9	70.8	71.3	71.3	71.6	71.7	71.9	72.7
≥ 7000	24.6	47.8	55.2	61.1	66.6	68.0	70.9	72.6	72.8	73.7	74.2	74.2	74.6	74.6	74.8	75.6
≥ 6000	25.4	49.6	57.1	63.3	68.6	70.3	73.2	74.9	75.2	76.1	76.7	76.7	77.0	77.0	77.2	78.0
≥ 5000	25.9	50.7	58.4	64.7	70.4	71.9	74.8	76.6	76.8	77.8	78.4	78.4	78.7	78.7	78.9	79.8
≥ 4500	26.0	51.3	59.1	65.3	71.2	72.8	75.7	77.6	77.8	78.8	79.3	79.3	79.7	79.7	79.9	80.7
≥ 4000	26.2	52.4	60.3	66.7	72.4	74.1	77.1	78.9	79.1	80.1	80.7	80.7	81.0	81.0	81.2	82.0
≥ 3500	26.4	53.4	61.4	67.9	73.8	75.4	78.4	80.2	80.5	81.5	82.0	82.0	82.4	82.4	82.6	83.4
≥ 3000	27.2	54.5	62.6	69.2	75.2	76.8	79.6	81.7	82.0	82.9	83.5	83.5	83.8	83.9	84.1	84.9
≥ 2500	27.4	55.0	63.3	69.9	76.0	77.6	80.7	82.7	82.9	83.9	84.5	84.5	84.9	84.9	85.1	85.9
≥ 2000	27.8	56.0	64.4	71.2	77.4	79.1	82.2	84.1	84.4	85.4	86.0	86.0	86.4	86.4	86.6	87.4
≥ 1800	28.0	57.3	64.8	71.6	77.8	79.5	82.7	84.6	84.9	85.9	86.5	86.5	86.8	86.9	87.1	87.9
≥ 1500	28.2	57.1	65.7	72.7	78.9	80.6	83.8	85.8	86.0	87.1	87.7	87.7	88.0	88.1	88.3	89.1
≥ 1200	28.5	57.0	66.4	73.4	79.7	81.5	84.7	86.7	87.0	88.1	88.7	88.7	89.0	89.1	89.3	90.1
≥ 1000	28.7	58.2	67.1	74.4	80.8	82.6	85.9	88.0	88.3	89.4	90.0	90.0	90.4	90.4	90.6	91.4
≥ 900	28.7	58.4	67.4	74.7	81.2	83.0	86.3	88.5	88.7	89.9	90.5	90.5	90.9	90.9	91.1	91.9
≥ 800	28.8	59.0	68.1	75.6	82.2	84.1	87.5	89.7	89.9	91.1	91.7	91.7	92.1	92.1	92.4	93.2
≥ 700	28.8	59.1	68.3	75.8	82.6	84.4	88.0	90.3	90.6	91.8	92.4	92.4	92.8	92.8	93.0	93.8
≥ 600	28.9	59.4	68.5	76.2	83.1	85.0	88.9	91.3	91.5	92.9	93.6	93.6	94.0	94.0	94.2	95.0
≥ 500	28.9	59.5	68.9	76.6	83.0	85.5	89.5	92.0	92.4	94.1	94.6	94.6	95.0	95.0	95.3	96.1
≥ 400	28.9	59.5	68.9	76.7	83.7	85.7	89.8	92.4	92.8	94.5	95.2	95.2	95.6	95.7	95.9	96.7
≥ 300	28.9	59.5	68.9	76.7	83.7	85.8	89.9	92.7	93.1	95.0	95.8	95.8	96.3	96.4	96.7	97.5
≥ 200	28.9	59.5	69.0	76.8	83.8	85.9	90.1	92.9	93.3	95.3	96.1	96.2	96.9	97.0	97.2	98.1
≥ 100	28.9	59.5	69.0	76.8	83.8	85.9	90.1	92.9	93.3	95.3	96.2	96.3	97.0	97.1	97.6	99.1
≥ 0	28.9	59.5	69.0	75.8	83.8	85.9	90.1	92.9	93.3	95.3	96.2	96.3	97.0	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2230



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHANDLER AFB ILLINOIS/RAHQUA  
STATION NAME

19-70  
YEARS

LCI  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	32.8 36.1	49.3 55.8	52.0 59.1	53.4 61.1	54.7 62.4	54.9 62.7	55.1 62.9	55.2 63.0	55.2 63.0	55.3 63.0	55.3 63.0	55.3 63.0	55.3 63.0	55.3 63.0	55.3 63.0	55.3 63.1
IV 18000 IV 16000	26.3 26.4	36.0 36.2	39.3 39.5	41.4 41.5	42.6 42.6	42.9 43.1	43.1 43.3	43.2 43.3	43.2 43.4	43.3 43.4	43.3 43.4	43.3 43.4	43.3 43.4	43.3 43.4	43.3 43.4	43.3 43.5
IV 14000 IV 12000	30.7 37.7	36.7 38.5	40.1 41.9	42.2 44.0	43.4 45.4	43.7 45.7	43.9 45.8	43.9 45.9	44.0 46.1	44.1 46.1	44.1 46.1	44.1 46.1	44.1 46.1	44.1 46.1	44.1 46.1	44.1 46.1
IV 10000 IV 9000	39.5 40.0	40.7 41.7	44.4 45.4	46.5 47.7	47.9 49.1	48.2 49.4	48.4 49.6	48.4 49.7	48.5 49.7	48.5 49.8	48.6 49.8	48.6 49.8	48.6 49.8	48.6 49.8	48.6 49.8	48.6 49.8
IV 8000 IV 7000	41.0 41.0	43.7 45.2	47.8 49.4	50.1 51.5	51.5 53.4	51.8 53.8	52.1 54.0	52.1 54.1	52.2 54.1	52.3 54.3	52.3 54.3	52.3 54.3	52.3 54.3	52.3 54.3	52.3 54.3	52.4 54.3
IV 6000 IV 5000	42.7 43.2	46.5 47.6	50.8 52.0	53.3 54.6	55.1 56.6	55.4 56.9	55.7 57.2	55.8 57.3	55.8 57.3	56.0 57.5	56.0 57.5	56.0 57.5	56.0 57.5	56.0 57.5	56.0 57.5	56.0 57.5
IV 4500 IV 4000	43.3 43.5	47.9 49.4	52.4 53.9	55.1 56.7	57.1 58.8	57.4 59.1	57.7 59.4	57.7 59.5	57.8 59.5	57.8 59.7	57.8 59.7	57.8 59.7	57.8 59.7	57.8 59.7	57.8 59.7	57.8 59.7
IV 3500 IV 3000	44.7 45.3	50.3 51.6	54.9 56.3	57.7 59.1	59.9 61.3	60.2 61.8	60.5 62.1	60.6 62.2	60.6 62.2	60.6 62.4	60.6 62.4	60.6 62.4	60.6 62.4	60.6 62.4	60.6 62.4	60.6 62.4
IV 2500 IV 2000	46.0 47.2	53.1 55.1	58.0 60.0	60.9 63.1	63.2 65.4	63.6 65.9	64.0 66.3	64.1 66.3	64.1 66.3	64.3 66.7	64.3 66.7	64.3 66.7	64.3 66.7	64.3 66.7	64.3 66.7	64.3 66.7
IV 1800 IV 1500	47.4 48.4	55.6 57.3	60.6 62.6	63.6 65.7	66.0 68.2	66.4 68.7	67.0 69.2	67.1 69.4	67.1 69.4	67.2 69.6	67.2 69.6	67.2 69.6	67.2 69.6	67.2 69.6	67.2 69.6	67.3 69.6
IV 1200 IV 1000	48.7 48.8	58.3 59.0	63.6 64.5	66.9 68.1	69.5 70.7	70.0 71.3	70.7 72.0	70.7 72.3	71.0 72.4	71.1 72.5	71.1 72.5	71.1 72.5	71.1 72.5	71.1 72.5	71.1 72.5	71.2 72.6
IV 900 IV 800	48.9 49.0	59.3 60.1	64.8 65.8	68.5 69.8	71.2 72.5	71.8 73.2	72.5 74.0	72.8 74.4	72.9 74.8	73.0 74.7	73.0 74.7	73.0 74.7	73.0 74.7	73.0 74.7	73.0 74.7	73.1 74.7
IV 700 IV 600	49.0 49.1	60.4 60.6	66.2 66.5	70.4 70.9	73.4 73.9	74.1 74.7	75.0 75.8	75.6 76.4	75.7 76.7	75.7 76.7	75.9 76.7	75.9 76.7	75.9 76.7	75.9 76.7	75.9 76.7	75.9 76.8
IV 500 IV 400	49.1 49.1	60.8 60.8	66.7 66.8	71.4 71.6	74.7 75.0	75.5 75.8	76.7 77.3	77.3 78.1	77.6 78.2	77.6 78.7	77.6 78.8	77.6 78.8	77.6 78.8	77.6 78.8	77.6 78.8	77.6 78.8
IV 300 IV 200	49.1 49.1	60.9 60.9	66.9 66.9	71.7 71.7	75.1 75.1	76.0 76.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0
IV 100 IV 0	49.1 49.1	60.9 60.9	66.9 66.9	71.7 71.7	75.1 75.1	76.0 76.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0	77.0 77.0

TOTAL NUMBER OF OBSERVATIONS

3253

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

148-06  
STATION

CHANDLER AFB ILLINOIS/RANTUL

10-70

YEARS

1200-1400  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.8	53.7	53.7	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	44.7	50.4	61.6	61.7	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 18000	48.9	60.7	61.9	62.0	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	49.0	60.8	62.0	62.2	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	49.5	61.3	62.6	62.6	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	51.0	63.6	64.8	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000	52.5	65.0	66.5	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 9000	52.2	66.4	67.7	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	54.6	68.5	70.1	70.5	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 7000	55.6	70.0	71.7	72.1	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 6000	56.3	71.3	72.9	73.4	73.7	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	56.9	72.3	74.2	74.8	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	57.6	73.3	75.2	75.8	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4000	59.3	75.8	77.7	78.4	78.7	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	60.5	77.5	79.4	80.2	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	62.1	80.4	82.7	83.5	83.8	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	63.3	82.6	84.9	85.8	86.2	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2000	64.4	84.7	87.2	88.2	88.8	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	64.5	85.2	87.8	88.8	89.4	89.6	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1500	65.2	86.5	89.6	90.7	91.5	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	65.4	87.4	90.8	91.6	92.4	92.6	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	65.5	88.2	91.2	92.5	93.7	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	65.7	88.8	91.9	93.4	94.5	94.6	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	65.8	89.3	92.4	94.2	95.4	95.6	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	65.8	89.6	92.9	94.7	96.0	96.3	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	65.8	89.6	93.2	95.7	96.6	96.8	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	65.9	89.7	93.4	95.3	97.0	97.2	98.5	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	65.9	89.8	93.5	95.5	97.2	97.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	65.9	89.8	93.5	95.5	97.2	97.7	99.0	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	65.9	89.8	93.5	95.5	97.3	97.7	99.0	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	65.9	89.8	93.5	95.5	97.3	97.7	99.0	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	65.9	89.8	93.5	95.5	97.3	97.7	99.0	99.4	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3224

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

1970  
YEAR

1CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	55.0	56.1	56.7	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3
≥ 20000	51.4	63.1	54.5	65.2	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	51.7	63.4	64.0	65.5	65.0	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 16000	52.0	63.0	65.0	65.8	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 14000	52.6	64.4	65.0	66.6	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥ 12000	53.9	66.2	67.7	68.5	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2
≥ 10000	55.3	68.2	69.8	70.6	71.0	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	55.8	69.9	70.5	71.2	71.0	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 8000	57.0	70.6	72.4	73.3	73.7	73.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 7000	58.0	72.2	74.0	75.1	75.8	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000	58.4	73.5	75.9	76.8	77.3	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 5000	59.9	75.4	77.9	79.2	79.0	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
≥ 4500	50.2	76.0	76.9	80.2	80.7	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4000	61.5	76.8	81.3	82.7	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	72.0	80.2	82.8	84.3	85.0	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	83.3	82.3	85.2	86.0	87.4	87.5	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	84.1	83.9	87.0	88.5	89.4	89.5	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	84.9	85.6	88.4	90.4	91.4	91.5	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	84.9	85.9	89.1	90.7	91.7	91.8	92.2	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	85.3	86.7	90.2	92.0	93.0	93.1	93.6	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1
≥ 1200	85.4	87.2	90.8	92.7	93.9	94.0	94.6	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	85.6	87.9	91.7	93.8	95.1	95.2	95.9	96.2	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5
≥ 900	85.6	88.1	91.9	94.1	95.4	95.6	96.3	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.9
≥ 800	85.6	88.2	92.1	94.3	95.7	95.9	96.7	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 700	85.6	88.2	92.2	94.5	96.0	96.2	97.0	97.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7
≥ 600	85.6	88.2	92.3	94.6	96.5	96.7	97.6	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	85.6	88.4	92.5	94.9	96.7	97.0	97.9	98.3	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.9
≥ 400	85.6	88.4	92.5	95.0	96.9	97.1	98.2	98.6	98.8	99.1	99.3	99.3	99.4	99.4	99.4	99.4
≥ 300	85.6	88.4	92.5	95.0	96.9	97.2	98.2	98.7	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.7
≥ 200	85.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	85.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	85.6	88.4	92.5	95.0	96.9	97.2	98.2	98.8	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTUL

20-70

YEARS

1.01  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	42.1	59.1	61.9	63.9	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	44.2	63.0	66.0	67.9	68.7	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	44.6	63.1	66.1	68.0	68.8	69.0	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	44.7	63.2	66.2	68.1	69.0	69.1	69.4	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	45.3	64.1	67.2	69.1	69.9	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
≥ 12000	45.9	65.0	68.3	70.3	71.1	71.3	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	47.1	66.9	70.2	72.3	73.2	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
≥ 9000	47.4	67.4	70.8	72.8	73.7	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
IV 8000	48.6	69.2	72.7	74.3	75.9	76.1	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	49.3	70.3	74.5	76.9	78.0	78.2	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	50.4	72.6	76.4	78.9	80.0	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
IV 5000	51.2	74.2	78.2	80.8	81.9	82.1	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.7
IV 4500	51.9	75.4	79.4	82.1	83.3	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 4000	52.6	77.2	81.3	84.2	85.6	85.8	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 3500	53.1	78.4	82.6	85.6	87.1	87.3	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0
IV 3000	53.9	79.9	84.2	87.4	89.0	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
IV 2500	54.3	81.3	85.8	89.0	90.8	91.0	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
IV 2000	54.7	82.1	86.6	90.0	91.8	92.0	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 1800	54.7	82.2	86.6	90.2	92.0	92.2	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	55.0	82.9	87.8	91.1	93.0	93.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	55.2	83.4	88.2	92.0	93.7	94.2	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	55.2	83.7	88.8	92.3	94.6	95.0	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3
IV 900	55.2	83.8	89.0	92.7	94.9	95.2	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.7
IV 800	55.2	83.9	89.1	93.0	95.2	95.6	96.4	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.2
IV 700	55.2	83.9	89.2	93.0	95.3	95.7	96.5	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.4
IV 600	55.2	84.0	89.2	93.1	95.5	95.9	96.8	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.7
IV 500	55.2	84.0	89.3	93.2	95.8	96.2	97.2	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.3
IV 400	55.2	84.1	89.4	93.4	96.1	96.4	97.6	98.2	98.3	98.8	98.9	98.9	98.9	99.0	99.0
IV 300	55.2	84.1	89.4	93.4	96.1	96.5	97.7	98.4	98.5	99.1	99.2	99.2	99.3	99.3	99.3
IV 200	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.4	99.5	99.5	99.6	99.6	99.7
IV 100	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.4	99.5	99.5	99.6	99.6	99.7
IV 0	55.2	84.1	89.4	93.5	96.2	96.5	97.8	98.5	98.6	99.4	99.5	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

2100

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14896  
STATION

CHANDLER AFB ILLINOIS/RAHQUOL  
STATION NAME

36-70  
YEARS

1961  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	59.0	58.8	61.9	64.9	66.5	66.9	67.5	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8
≥ 20000	40.5	61.5	65.0	68.2	69.2	70.3	70.9	70.9	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2
≥ 18000	40.5	61.5	65.0	68.3	69.4	70.3	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.3
≥ 16000	40.5	61.5	65.0	68.3	69.9	70.3	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.3
≥ 14000	40.7	62.3	65.6	68.9	70.6	71.0	71.0	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0
≥ 12000	41.2	63.1	66.5	69.9	71.6	72.0	72.6	72.6	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0
≥ 10000	42.8	65.4	69.1	72.5	74.1	74.5	75.1	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.5
≥ 9000	43.0	66.1	69.7	73.1	74.7	75.2	75.8	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.2
≥ 8000	44.6	68.5	72.4	76.0	77.6	78.2	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.3
≥ 7000	45.2	69.3	74.0	77.7	79.6	80.1	80.8	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.2
≥ 6000	45.8	71.1	75.3	79.0	81.0	81.5	82.3	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.7
≥ 5000	46.4	72.5	76.8	80.6	82.7	83.2	84.0	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.5
≥ 4500	47.0	73.6	78.0	81.9	84.0	84.5	85.3	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.8
≥ 4000	47.5	74.8	79.3	83.3	85.3	86.0	86.8	86.9	86.9	87.0	87.1	87.1	87.2	87.2	87.2	87.3
≥ 3500	47.8	75.6	80.4	84.7	86.9	87.4	88.2	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6
≥ 3000	48.3	76.0	81.5	86.0	88.3	88.9	89.8	89.9	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.3
≥ 2500	48.9	77.7	82.0	87.4	89.9	90.4	91.3	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.8
≥ 2000	49.2	78.4	83.3	88.2	91.0	91.5	92.4	92.5	92.5	92.7	92.8	92.8	92.9	92.9	92.9	92.9
≥ 1800	49.3	78.5	83.5	88.4	91.2	91.7	92.7	92.9	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.3
≥ 1500	49.4	79.0	83.9	89.0	91.8	92.3	93.4	93.6	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.0
≥ 1200	49.5	79.3	84.3	89.5	92.4	92.9	94.0	94.2	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1000	49.6	79.7	84.9	90.1	93.3	93.8	95.0	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.8
≥ 900	49.6	79.7	85.0	90.3	93.5	94.0	95.2	95.5	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.1
≥ 800	49.6	79.8	85.1	90.4	93.6	94.2	95.5	95.8	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.4
≥ 700	49.6	79.9	85.2	90.6	93.8	94.4	95.8	96.1	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.9
≥ 600	49.7	80.1	85.4	90.8	94.2	94.8	95.4	96.7	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.5
≥ 500	49.7	80.1	85.5	90.9	94.4	94.9	96.6	97.0	97.2	97.6	97.7	97.7	97.9	97.9	97.9	97.9
≥ 400	49.7	80.2	85.6	91.2	94.7	95.3	97.1	97.6	97.9	98.3	98.4	98.4	98.6	98.6	98.6	98.7
≥ 300	49.7	80.3	85.8	91.2	94.8	95.4	97.3	97.9	98.2	98.7	98.8	98.8	99.0	99.0	99.0	99.1
≥ 200	49.7	80.3	85.8	91.2	94.8	95.4	97.4	98.0	98.3	98.9	99.1	99.1	99.3	99.3	99.4	99.4
≥ 100	49.7	80.3	85.8	91.2	94.8	95.5	97.4	98.0	98.4	98.9	99.2	99.2	99.4	99.5	99.6	99.6
≥ 0	49.7	80.3	85.8	91.2	94.8	95.5	97.4	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3001

USAF ETAC

FORM  
JUN 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/KAN/TDOL  
STATION NAME

16-62  
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	21.7	39.5	43.0	46.1	48.3	43.7	49.7	50.0	50.0	50.3	50.4	50.4	50.5	50.5	50.6	50.6
≥ 18000	22.9	43.2	46.9	50.1	52.0	53.2	54.2	54.6	54.6	54.9	55.0	55.0	55.0	55.1	55.2	55.3
≥ 16000	23.1	43.3	47.2	50.5	53.1	53.9	54.3	54.8	54.8	55.0	55.1	55.1	55.2	55.2	55.4	55.5
≥ 14000	23.7	44.3	48.2	51.4	54.1	54.5	55.5	55.9	55.9	56.2	56.3	56.3	56.3	56.4	56.5	56.6
≥ 12000	24.1	46.9	49.9	53.2	55.9	56.3	57.4	57.9	57.9	58.1	58.2	58.2	58.3	58.3	58.5	58.6
≥ 10000	25.2	47.6	51.4	55.2	57.9	58.3	59.3	59.8	59.8	60.1	60.2	60.2	60.3	60.3	60.4	60.5
≥ 9000	25.5	48.3	52.5	55.9	58.6	59.0	60.1	60.5	60.5	60.8	60.9	60.9	61.0	61.0	61.2	61.3
≥ 8000	26.2	49.4	53.7	57.1	59.9	60.3	61.3	61.8	61.8	62.1	62.2	62.2	62.3	62.3	62.4	62.5
≥ 7000	26.6	50.9	55.5	59.0	61.6	62.1	63.2	63.7	63.7	64.0	64.1	64.1	64.1	64.2	64.3	64.4
≥ 6000	26.8	51.9	56.7	60.1	63.0	63.4	64.5	65.0	65.0	65.3	65.4	65.4	65.5	65.6	65.7	65.8
≥ 5000	27.4	53.5	56.5	62.2	65.4	65.8	66.9	67.4	67.4	67.7	67.8	67.8	67.9	67.9	68.1	68.2
≥ 4500	27.6	54.4	59.5	63.3	66.6	67.0	68.1	68.6	68.6	68.9	69.0	69.0	69.1	69.2	69.3	69.4
≥ 4000	26.2	56.0	61.2	65.2	68.5	68.9	70.1	70.5	70.5	70.8	71.0	71.0	71.1	71.1	71.2	71.4
≥ 3500	29.2	58.1	63.6	67.8	71.3	71.9	73.2	73.6	73.6	74.1	74.3	74.3	74.3	74.4	74.5	74.6
≥ 3000	30.1	60.4	66.3	70.7	74.2	74.8	76.2	76.7	76.7	77.1	77.3	77.3	77.4	77.4	77.6	77.7
≥ 2500	31.0	62.5	68.9	73.5	77.2	77.8	79.2	79.7	79.7	80.2	80.4	80.4	80.5	80.5	80.6	80.7
≥ 2000	32.1	64.3	71.4	76.3	80.1	80.7	82.1	82.7	82.7	83.1	83.3	83.3	83.4	83.4	83.6	83.7
≥ 1800	32.3	64.9	72.1	77.0	80.9	81.6	83.0	83.5	83.6	84.0	84.2	84.2	84.3	84.3	84.5	84.6
≥ 1500	32.5	65.9	73.4	78.6	82.6	83.3	84.8	85.4	85.5	86.0	86.3	86.3	86.4	86.4	86.5	86.7
≥ 1200	32.7	66.8	74.8	80.4	84.5	85.2	86.8	87.4	87.5	88.0	88.3	88.3	88.4	88.4	88.5	88.7
≥ 1000	32.7	67.3	75.0	81.9	86.2	86.9	88.8	89.6	89.7	90.4	90.7	90.7	90.7	90.8	90.9	91.0
≥ 900	32.7	67.6	76.2	82.5	86.9	87.6	89.6	90.5	90.5	91.2	91.5	91.5	91.6	91.6	91.7	91.8
≥ 800	32.8	68.0	76.8	83.1	87.7	88.4	90.5	91.3	91.4	92.1	92.5	92.5	92.5	92.6	92.7	92.8
≥ 700	32.8	68.3	77.2	83.7	88.5	89.2	91.4	92.3	92.5	93.3	93.6	93.6	93.7	93.7	93.8	94.0
≥ 600	32.8	68.5	77.5	84.1	89.2	90.0	92.2	93.3	93.4	94.2	94.6	94.6	94.7	94.7	94.9	95.0
≥ 500	32.8	68.5	77.7	84.5	89.8	90.6	93.1	94.1	94.3	95.2	95.7	95.7	95.9	95.9	96.0	96.2
≥ 400	32.8	68.5	77.7	84.6	90.1	91.1	93.7	95.0	95.2	96.2	96.8	96.8	96.9	97.0	97.1	97.2
≥ 300	32.8	68.6	77.7	84.7	90.4	91.6	94.2	95.6	95.9	96.9	97.6	97.6	97.8	97.9	98.1	98.2
≥ 200	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.7	96.1	97.3	98.2	98.2	98.5	98.6	98.9	99.1
≥ 100	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.9	96.2	97.3	98.3	98.3	98.7	98.8	99.4	99.4
≥ 0	32.8	68.6	77.7	84.7	90.4	91.6	94.3	95.9	96.2	97.3	98.3	98.3	98.7	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2421

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

14800  
STATION

CHANDLER AFB ILLINOIS/AMTUL

16-62

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	19.5	39.1	42.9	46.5	44.1	49.3	50.1	50.6	50.6	51.0	51.2	51.2	51.3	51.4	51.5	51.9
≥ 20000	20.3	41.5	45.0	49.0	52.2	52.5	53.3	53.8	53.8	54.2	54.4	54.4	54.5	54.6	54.7	55.1
≥ 18000	20.3	41.7	45.7	49.7	52.3	52.6	53.4	53.9	54.0	54.3	54.5	54.5	54.6	54.7	54.9	55.2
≥ 16000	20.3	41.7	45.0	49.8	52.4	52.7	53.5	54.0	54.1	54.4	54.6	54.6	54.7	54.8	54.9	55.3
≥ 14000	20.8	42.0	46.7	50.8	53.5	53.8	54.6	55.1	55.2	55.5	55.7	55.7	55.9	55.9	56.1	56.4
≥ 12000	21.4	43.8	48.0	52.1	55.0	55.4	56.2	56.7	56.7	57.0	57.2	57.2	57.4	57.4	57.6	57.9
≥ 10000	22.1	45.1	49.7	54.0	56.9	57.3	58.1	58.6	58.6	59.0	59.2	59.2	59.3	59.4	59.5	59.9
≥ 9000	22.1	45.2	49.9	54.7	57.2	57.6	58.4	58.9	58.9	59.2	59.5	59.5	59.6	59.7	59.8	60.2
≥ 8000	22.3	45.9	50.9	55.4	58.3	58.5	59.4	59.9	60.0	60.3	60.5	60.5	60.6	60.7	60.8	61.2
≥ 7000	22.8	47.2	52.3	56.9	60.0	60.3	61.1	61.6	61.7	62.0	62.2	62.2	62.3	62.4	62.6	62.9
≥ 6000	23.2	48.2	53.4	58.2	61.3	61.6	62.5	63.0	63.1	63.4	63.6	63.6	63.8	63.8	64.0	64.4
≥ 5000	24.1	49.7	55.1	60.3	63.7	64.1	64.9	65.4	65.5	65.9	66.1	66.1	66.2	66.3	66.5	66.9
≥ 4500	24.5	50.8	56.2	61.4	64.9	65.3	66.2	66.7	66.7	67.1	67.3	67.3	67.4	67.5	67.7	68.1
≥ 4000	25.2	52.4	57.9	63.3	66.9	67.3	68.2	68.7	68.8	69.2	69.4	69.4	69.5	69.6	69.8	70.2
≥ 3500	25.8	53.6	59.5	65.0	68.8	69.2	70.2	70.7	70.7	71.1	71.3	71.3	71.5	71.5	71.6	72.1
≥ 3000	26.3	55.0	61.4	67.2	71.1	71.5	72.6	73.1	73.1	73.5	73.7	73.7	73.8	73.9	74.1	74.5
≥ 2500	27.3	57.3	64.1	70.0	74.0	74.6	75.6	76.2	76.2	76.7	76.9	76.9	77.0	77.1	77.3	77.7
≥ 2000	28.4	60.0	67.1	73.3	77.5	78.0	79.3	80.0	80.0	80.5	80.7	80.7	80.8	80.9	81.1	81.5
≥ 1800	28.7	60.7	67.8	74.1	78.3	78.9	80.2	80.8	80.8	81.3	81.5	81.5	81.6	81.7	81.9	82.3
≥ 1500	28.8	61.6	69.1	75.6	80.0	80.7	82.2	82.8	82.9	83.3	83.6	83.6	83.7	83.8	84.0	84.4
≥ 1200	29.0	62.9	70.8	77.5	82.2	82.8	84.5	85.2	85.3	85.7	85.9	85.9	86.1	86.2	86.4	86.7
≥ 1000	29.2	64.2	72.2	79.2	84.4	85.1	86.9	87.7	87.7	88.4	88.6	88.6	88.7	88.8	89.0	89.4
≥ 900	29.3	64.4	72.6	79.7	84.9	85.6	87.5	88.3	88.4	89.0	89.2	89.2	89.4	89.5	89.7	90.1
≥ 800	29.3	64.7	73.0	80.2	85.4	86.2	88.1	88.9	89.0	89.7	90.0	90.0	90.2	90.3	90.5	90.8
≥ 700	29.3	65.0	73.3	80.7	85.1	87.0	89.1	90.0	90.1	90.9	91.2	91.2	91.3	91.4	91.6	92.0
≥ 600	29.4	65.4	73.8	81.6	87.1	88.0	90.2	91.3	91.3	92.1	92.5	92.5	92.6	92.7	92.9	93.3
≥ 500	29.4	65.4	74.1	82.0	87.7	88.8	91.1	92.2	92.3	93.2	93.7	93.7	93.8	93.9	94.1	94.5
≥ 400	29.4	65.4	74.1	82.2	88.2	89.3	91.8	93.1	93.1	94.1	94.6	94.6	94.9	95.0	95.3	95.7
≥ 300	29.4	65.5	74.1	82.3	88.4	89.6	92.6	93.8	93.9	95.0	95.7	95.7	96.2	96.3	96.6	97.0
≥ 200	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.7	96.7	96.7	97.3	97.4	97.8	98.3
≥ 100	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.8	96.9	96.9	97.5	97.7	98.1	98.6
≥ 0	29.4	65.5	74.1	82.3	88.4	89.6	92.9	94.1	94.3	95.8	96.9	96.9	97.7	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2390

USAF ETAC FORM 014-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RAHJL

36-70

YEARS

BY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	13.0	27.4	31.0	34.4	36.1	38.7	40.6	41.7	41.9	42.9	43.2	43.2	43.5	43.5	43.6	44.2
≥ 20000	15.0	30.4	34.5	38.7	42.2	43.3	45.9	47.2	47.4	48.4	48.7	48.7	49.0	49.0	49.2	49.7
≥ 18000	15.0	30.5	34.6	38.7	42.6	43.6	45.9	47.3	47.5	48.5	48.8	48.8	49.1	49.1	49.3	49.6
≥ 16000	15.1	30.6	34.7	38.8	43.0	43.8	46.0	47.4	47.6	48.6	49.0	49.0	49.2	49.3	49.4	50.0
≥ 14000	15.2	31.0	35.3	39.6	43.8	44.6	46.9	48.3	48.5	49.5	49.9	49.9	50.1	50.2	50.3	50.9
≥ 12000	15.7	32.4	37.0	41.4	45.6	46.5	48.0	50.2	50.4	51.5	51.8	51.8	52.1	52.1	52.2	52.8
≥ 10000	17.1	34.5	39.4	43.8	46.3	47.1	51.6	52.9	53.1	54.3	54.6	54.7	54.9	55.0	55.1	55.7
≥ 9000	17.4	35.2	40.0	44.6	49.1	50.0	52.5	53.9	54.1	55.3	55.3	55.7	56.0	56.0	56.1	56.7
≥ 8000	18.2	36.5	41.9	46.6	51.3	52.2	54.7	56.2	56.4	57.6	57.6	58.0	58.1	58.3	58.4	59.1
≥ 7000	18.9	38.1	43.3	48.1	53.0	54.0	56.7	58.1	58.3	59.5	60.0	60.0	60.3	60.3	60.5	61.0
≥ 6000	19.5	39.3	44.6	49.6	54.7	55.8	58.4	59.9	60.1	61.4	61.8	61.8	62.1	62.2	62.3	62.9
≥ 5000	20.2	40.6	46.3	51.6	56.8	58.0	60.9	62.4	62.6	63.9	64.3	64.7	64.7	64.7	64.8	65.4
≥ 4500	20.5	41.2	47.0	52.4	57.7	59.0	62.0	63.5	63.7	65.0	65.4	65.4	65.8	65.8	65.9	66.5
≥ 4000	21.1	42.6	48.7	54.2	59.6	61.0	64.1	65.6	65.8	67.1	67.6	67.6	68.0	68.0	68.1	68.7
≥ 3500	22.2	44.2	50.5	56.0	61.7	63.1	66.3	67.9	68.1	69.5	69.9	69.9	70.3	70.3	70.5	71.1
≥ 3000	22.6	45.9	52.4	58.2	64.0	65.5	68.7	70.3	70.5	71.9	72.4	72.4	72.8	72.8	72.9	73.5
≥ 2500	23.2	47.3	54.4	60.4	66.2	67.7	71.2	72.9	73.1	74.7	75.1	75.2	75.5	75.5	75.7	76.3
≥ 2000	24.2	49.7	56.9	63.2	69.2	70.7	74.5	76.3	76.6	78.1	78.6	78.7	79.1	79.1	79.2	79.8
≥ 1800	24.4	49.9	57.2	63.5	69.6	71.1	74.9	76.7	77.0	78.6	79.1	79.2	79.6	79.6	79.7	80.3
≥ 1500	24.7	51.1	58.6	65.2	71.4	73.0	76.9	78.8	79.1	80.8	81.3	81.3	81.8	81.8	81.9	82.5
≥ 1200	25.0	52.0	59.8	66.7	73.1	74.8	78.7	80.6	80.9	82.6	83.1	83.2	83.6	83.7	83.8	84.4
≥ 1000	25.2	52.9	61.0	68.2	74.9	76.8	80.8	83.0	83.3	85.0	85.6	85.7	86.1	86.2	86.3	86.9
≥ 900	25.2	53.3	61.6	68.9	75.8	77.7	81.8	84.0	84.3	86.2	86.7	86.8	87.3	87.3	87.5	88.1
≥ 800	25.2	54.0	62.4	69.7	76.8	78.7	83.0	85.4	85.7	87.6	88.2	88.3	88.6	88.8	89.0	89.6
≥ 700	25.3	54.2	62.7	70.2	77.4	79.4	83.8	86.2	86.5	88.5	89.0	89.2	89.7	89.7	89.9	90.5
≥ 600	25.3	54.5	63.2	70.8	78.3	80.3	85.0	87.5	87.8	90.0	90.5	90.7	91.2	91.2	91.4	92.0
≥ 500	25.3	54.6	63.3	71.2	78.9	80.9	85.9	88.7	89.0	91.4	92.0	92.1	92.7	92.7	92.9	93.5
≥ 400	25.3	54.7	63.5	71.4	79.2	81.3	86.4	89.4	89.7	92.4	93.2	93.3	94.0	94.0	94.3	94.9
≥ 300	25.3	54.7	63.6	71.5	79.4	81.6	86.6	90.1	90.5	93.3	94.4	94.5	95.4	95.4	95.7	96.3
≥ 200	25.3	54.8	63.6	71.5	79.5	81.7	87.1	90.4	90.8	93.7	95.0	95.1	96.4	96.4	96.6	97.7
≥ 100	25.3	54.8	63.6	71.5	79.5	81.7	87.2	90.6	90.9	93.9	95.2	95.4	96.6	96.7	97.4	98.5
≥ 0	25.3	54.8	63.6	71.5	79.5	81.7	87.2	90.6	90.9	93.9	95.2	95.4	96.7	96.9	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS

2978

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHICAGO AFB ILLINOIS/RANTOUL

46-70

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2900-1100  
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.0	33.5	36.3	38.8	40.4	40.7	41.2	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.8
≥20000	23.1	40.3	43.8	46.8	48.8	49.1	49.7	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.3
≥18000	23.2	40.4	44.0	46.9	48.9	49.3	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.4	50.4	50.5
≥16000	23.3	40.6	44.1	47.1	49.1	49.5	50.0	50.2	50.3	50.3	50.3	50.3	50.5	50.6	50.6	50.7
≥14000	23.4	40.9	44.5	47.6	49.6	50.0	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.2
≥12000	23.8	42.1	46.0	49.2	51.3	51.8	52.4	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥10000	23.2	44.3	48.5	51.8	54.0	54.4	55.1	55.4	55.4	55.5	55.5	55.5	55.5	55.6	55.6	55.7
≥9000	25.7	45.9	49.2	52.6	54.8	55.3	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.6
≥8000	26.4	46.8	51.2	54.7	57.1	57.5	58.3	58.6	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.9
≥7000	26.7	47.8	52.3	55.9	58.4	58.9	59.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.3
≥6000	27.3	49.1	53.8	57.6	60.1	60.6	61.4	61.7	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.1
≥5000	28.1	50.6	55.7	59.6	62.2	62.7	63.7	64.0	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.6
≥4500	28.3	51.3	56.4	60.4	63.1	63.6	64.6	65.0	65.0	65.3	65.3	65.3	65.4	65.4	65.4	65.5
≥4000	29.1	52.7	57.9	62.0	65.0	65.5	66.6	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.6
≥3500	29.6	53.8	59.2	63.4	66.8	67.2	68.2	68.6	68.7	68.9	69.0	69.0	69.0	69.1	69.1	69.2
≥3000	30.6	56.2	61.9	66.2	69.5	70.2	71.3	71.7	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.4
≥2500	31.5	58.1	64.0	68.4	71.8	72.4	73.6	74.1	74.2	74.5	74.5	74.5	74.6	74.6	74.6	74.7
≥2000	32.2	61.1	67.1	71.7	75.2	75.9	77.2	77.8	77.8	78.2	78.2	78.2	78.3	78.3	78.3	78.4
≥1800	33.0	61.6	67.9	72.5	76.1	76.8	78.1	78.7	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.4
≥1500	34.4	63.0	69.8	74.5	78.2	79.0	80.4	81.1	81.2	81.5	81.6	81.6	81.6	81.7	81.7	81.8
≥1200	35.0	65.3	71.9	76.8	80.7	81.6	83.3	84.1	84.1	84.6	84.7	84.7	84.8	84.8	84.8	84.9
≥1000	35.2	66.3	73.3	78.8	83.1	84.1	86.0	87.0	87.1	87.7	87.8	87.8	87.9	87.9	87.9	88.1
≥900	35.3	66.8	74.1	79.5	84.0	84.9	86.9	88.0	88.1	88.7	88.9	88.9	88.9	89.0	89.0	89.1
≥800	35.4	67.4	74.8	80.4	85.2	86.2	88.4	89.5	89.7	90.3	90.5	90.5	90.6	90.6	90.6	90.8
≥700	35.4	67.6	75.3	81.1	86.1	87.4	89.8	90.9	91.1	91.8	92.0	92.0	92.1	92.1	92.2	92.3
≥600	35.5	67.8	75.6	81.5	86.8	88.1	90.6	92.1	92.3	93.0	93.3	93.3	93.4	93.4	93.5	93.6
≥500	35.5	67.9	75.7	82.0	87.4	88.6	91.5	93.1	93.3	94.4	94.9	94.9	95.0	95.0	95.1	95.2
≥400	35.5	67.9	75.8	82.1	87.7	89.2	92.1	94.2	94.4	95.6	96.3	96.3	96.5	96.5	96.7	96.9
≥300	35.5	67.9	75.8	82.2	87.9	89.4	92.4	94.8	95.0	96.5	97.3	97.4	97.7	97.7	97.9	98.3
≥200	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.8	98.2	98.4	98.5	99.2
≥100	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.9	98.4	98.5	99.0	99.7
≥0	35.5	67.9	75.8	82.2	87.9	89.4	92.5	94.9	95.2	96.8	97.7	97.9	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2147

USAF ETAC

FORM  
JUL 64

0 14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14800 CHANUTE AFB ILLINOIS/RAHQUOL

36-70

110V  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LOCAL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	27.5	37.2	39.0	39.8	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	32.2	45.1	47.4	48.5	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	32.4	45.3	47.6	48.7	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	32.4	45.4	47.7	48.8	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	32.6	45.8	48.2	49.3	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 12000	33.5	47.6	50.2	51.3	51.6	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	35.1	49.9	52.7	53.9	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 9000	35.4	50.6	53.3	54.5	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	36.5	52.1	55.1	56.4	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	37.1	53.3	56.4	57.9	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	37.7	54.4	57.0	59.2	59.8	59.8	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 5000	38.2	55.7	59.0	60.6	61.3	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4500	38.6	56.3	59.9	61.6	62.4	62.4	62.7	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4000	40.1	58.7	62.2	64.1	64.9	64.9	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	41.2	60.7	64.3	66.3	67.2	67.2	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3000	43.4	64.2	68.0	70.1	71.0	71.1	71.5	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	45.3	67.4	71.3	73.7	74.7	74.8	75.2	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	47.7	71.3	75.8	78.8	79.1	79.2	79.7	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	48.2	72.3	76.8	79.7	80.3	80.5	81.0	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	49.1	74.1	78.5	81.4	82.0	82.0	83.0	83.8	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	49.5	75.9	81.1	84.1	85.8	86.0	86.9	87.1	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	49.8	77.2	82.7	86.0	88.3	88.6	89.6	89.9	90.0	90.4	90.7	90.7	90.8	90.8	90.8	90.8
≥ 900	49.8	77.4	83.2	86.8	89.2	89.5	90.6	90.9	90.9	91.5	91.7	91.7	91.8	91.8	91.8	91.8
≥ 800	49.9	77.7	83.7	87.5	90.2	90.5	91.7	92.1	92.1	92.7	93.0	93.1	93.1	93.1	93.1	93.1
≥ 700	49.9	77.8	84.0	88.0	90.9	91.5	92.8	93.3	93.3	94.1	94.5	94.5	94.6	94.6	94.6	94.6
≥ 600	50.0	77.9	84.1	88.3	91.5	92.2	93.8	94.6	94.6	95.4	95.8	95.9	96.0	96.0	96.0	96.0
≥ 500	50.0	78.1	84.5	88.8	92.1	92.9	94.6	95.6	95.7	96.7	97.2	97.2	97.4	97.4	97.4	97.4
≥ 400	50.1	78.2	84.6	88.9	92.3	93.3	95.2	96.4	96.5	97.6	98.1	98.2	98.4	98.4	98.4	98.4
≥ 300	50.1	78.2	84.6	88.9	92.3	93.4	95.6	96.9	97.0	98.4	99.0	99.0	99.3	99.4	99.4	99.4
≥ 200	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.7	99.7	99.7	99.7
≥ 100	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.8	99.8	99.8	99.8
≥ 0	50.1	78.3	84.6	88.9	92.4	93.5	95.7	97.0	97.1	98.7	99.3	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3148

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

14805  
STATION

CHARLOTTE AND ILLINOIS/KANTOUL  
STATION NAME

26-70  
YEARS

12  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	27.9	37.6	39.8	40.7	41.1	41.1	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	22.3	44.8	47.6	48.8	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	32.4	45.0	47.9	49.0	49.5	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 16000	32.4	45.2	48.1	49.2	49.6	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	33.0	46.1	49.0	50.1	50.7	50.7	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	34.4	48.3	51.3	52.4	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	36.3	51.1	54.4	55.6	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	36.8	52.1	55.4	56.5	57.1	57.2	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	37.9	54.0	57.4	58.7	59.4	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	38.4	55.3	58.9	60.2	61.0	61.1	61.2	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000	38.9	56.2	59.8	61.4	62.2	62.3	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	39.9	57.8	61.7	63.5	64.5	64.5	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	40.3	58.9	62.9	64.8	65.8	65.8	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	41.4	60.9	64.1	67.3	68.2	68.3	68.7	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500	42.4	62.7	67.2	69.4	70.4	70.4	70.8	71.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	43.6	63.2	69.9	72.2	73.3	73.3	73.8	74.0	74.1	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	45.0	68.2	73.3	75.7	76.8	76.9	77.4	77.6	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	46.3	71.2	76.7	79.3	80.5	80.7	81.3	81.6	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	46.8	72.2	77.6	80.4	81.9	82.0	82.8	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	47.2	73.9	79.8	82.7	84.3	84.6	85.6	85.9	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1200	47.6	74.9	81.1	84.3	86.3	86.6	87.7	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1000	47.6	75.9	82.4	86.1	88.4	88.7	89.9	90.4	90.5	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	47.6	75.9	82.7	86.6	88.9	89.3	90.6	91.0	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.2
≥ 800	47.6	76.0	82.9	87.1	89.7	90.2	91.5	92.0	92.2	93.0	93.2	93.2	93.2	93.2	93.3	93.3
≥ 700	47.7	76.2	83.0	87.4	90.2	90.8	92.2	92.9	93.0	94.0	94.2	94.2	94.2	94.2	94.3	94.3
≥ 600	47.7	76.3	83.2	87.8	90.7	91.4	93.0	93.7	94.0	95.0	95.3	95.3	95.4	95.4	95.4	95.5
≥ 500	47.8	76.5	83.4	88.2	91.4	92.1	93.8	94.8	95.1	96.3	96.7	96.7	96.9	96.9	96.9	97.0
≥ 400	47.8	76.6	83.6	88.5	92.0	92.7	94.6	95.8	96.1	97.4	97.9	97.9	98.1	98.1	98.2	98.3
≥ 300	47.8	76.6	83.6	88.5	92.1	92.8	94.8	96.0	96.4	97.6	98.5	98.5	98.8	98.8	98.9	99.0
≥ 200	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.1	99.1	99.4	99.6
≥ 100	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.2	99.3	99.7	99.9
≥ 0	47.8	76.6	83.6	88.5	92.1	92.9	94.8	96.1	96.5	97.9	98.8	98.8	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

3144

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1-8006  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

36-70  
YEARS

1911  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS TEST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	21.3	42.9	45.3	47.4	48.4	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	30.8	48.0	51.0	53.1	54.1	54.5	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	30.8	48.1	51.1	53.2	54.2	54.7	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	30.8	48.3	51.3	53.4	54.5	54.9	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000	31.2	48.9	51.9	54.1	55.2	55.6	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	31.9	50.3	53.4	55.7	56.7	57.2	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	33.8	53.0	56.3	58.7	59.8	60.2	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	34.4	53.9	57.2	59.6	60.7	61.2	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	35.4	55.5	58.9	61.3	62.6	63.0	63.5	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	35.9	56.3	59.8	62.5	63.7	64.2	64.7	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	36.8	57.8	61.3	64.0	65.3	65.8	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	38.1	59.9	63.4	66.9	68.3	68.9	69.5	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	38.8	61.2	65.2	68.4	69.9	70.4	71.1	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	39.6	62.7	67.1	70.5	72.2	72.7	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	40.7	64.5	69.1	72.6	74.4	74.9	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	41.8	66.7	71.6	75.2	77.1	77.6	78.4	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	42.9	68.8	74.1	78.0	80.1	80.7	81.5	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	44.1	71.5	77.1	81.3	83.6	84.4	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1800	44.2	71.8	77.5	82.0	84.4	85.2	86.1	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500	44.5	72.9	78.8	83.7	86.2	87.1	88.0	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1200	44.8	73.7	79.8	84.8	87.5	88.3	89.8	90.1	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	44.9	74.2	80.6	85.9	88.7	89.7	91.1	91.6	91.7	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	44.9	74.2	80.7	86.1	89.0	90.0	91.4	92.0	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	45.0	74.4	81.1	86.5	89.5	90.5	92.1	92.8	92.8	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700	45.0	74.5	81.2	86.7	90.0	90.9	92.6	93.4	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	45.1	74.7	81.5	87.1	90.5	91.6	93.4	94.2	94.4	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	45.1	74.8	81.7	87.3	90.8	91.9	93.8	94.9	95.1	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	45.1	74.8	81.8	87.6	91.2	92.3	94.5	95.8	96.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	45.1	74.9	81.8	87.7	91.4	92.7	94.9	96.4	96.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	45.1	74.9	81.8	87.7	91.5	92.8	95.1	96.7	96.9	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	45.1	74.9	81.8	87.7	91.5	92.9	95.2	96.8	97.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	45.1	74.9	81.8	87.7	91.5	92.9	95.2	96.8	97.0	98.5	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 3146

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

19800  
STATION

CHICAGO AFB ILLINOIS/RAHJUL  
STATION NAME

36-70  
YEARS

1-1V  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	26.0 7.7	41.5 43.4	44.1 46.1	46.9 51.1	48.8 52.1	49.2 53.5	49.5 53.8	49.7 54.0	49.7 54.0	49.8 54.1	49.8 54.2	49.8 54.2	49.9 54.3	49.9 54.3	49.9 54.4	50.0 54.4
IV 18000 ≥ 16000	27.7 7.8	43.4 45.5	46.1 48.3	51.2 51.4	53.2 53.4	53.7 53.9	54.0 54.2	54.2 54.4	54.2 54.4	54.3 54.5	54.4 54.6	54.4 54.6	54.5 54.7	54.5 54.7	54.5 54.7	54.6 54.8
IV 14000 ≥ 12000	28.2 29.2	46.3 47.9	49.1 50.7	52.3 53.9	54.2 55.9	54.8 56.4	55.1 56.8	55.2 56.9	55.2 57.0	55.4 57.1	55.4 57.2	55.4 57.2	55.5 57.3	55.5 57.3	55.5 57.3	55.7 57.4
IV 10000 ≥ 9000	30.6 31.0	50.0 50.8	52.5 53.4	56.2 57.2	58.2 59.2	58.8 59.8	59.1 60.1	59.3 60.3	59.3 60.3	59.5 60.5	59.5 60.6	59.5 60.6	59.6 60.6	59.6 60.6	59.7 60.7	59.8 60.8
IV 8000 ≥ 7000	32.1 32.8	52.3 53.5	55.5 56.4	58.9 60.5	61.0 62.6	61.5 63.1	61.9 63.5	62.1 63.7	62.1 63.7	62.3 63.9	62.3 63.9	62.3 63.9	62.4 64.0	62.4 64.0	62.5 64.1	62.6 64.1
IV 6000 ≥ 5000	33.8 35.2	55.0 57.3	58.5 61.1	62.2 65.0	64.6 67.4	65.1 68.1	65.5 68.6	65.7 68.7	65.7 68.8	65.9 68.9	66.0 69.0	66.0 69.0	66.1 69.1	66.1 69.1	66.1 69.1	66.2 69.2
IV 4500 ≥ 4000	36.0 36.7	59.0 60.6	62.6 64.0	66.6 68.8	69.0 71.3	69.6 72.0	70.2 72.6	70.3 72.7	70.4 72.8	70.6 73.0	70.6 73.0	70.6 73.0	70.7 73.1	70.7 73.1	70.8 73.2	70.9 73.3
IV 3500 ≥ 3000	38.2 39.4	63.1 65.4	67.4 70.1	71.6 74.4	74.3 77.3	75.0 78.0	75.6 78.7	75.7 79.0	75.7 79.0	76.0 79.2	76.1 79.3	76.1 79.3	76.2 79.4	76.2 79.4	76.3 79.5	76.3 79.5
IV 2500 ≥ 2000	40.4 41.3	67.4 69.1	72.3 74.3	76.8 79.1	79.9 82.4	80.7 83.3	81.4 84.1	81.7 84.4	81.7 84.4	81.9 84.7	82.0 84.8	82.0 84.8	82.1 84.9	82.1 84.9	82.2 85.0	82.3 85.0
IV 1800 ≥ 1500	41.4 41.8	69.6 70.6	75.0 76.2	79.8 81.3	83.2 84.9	84.1 85.9	84.9 86.8	85.2 87.2	85.3 87.3	85.5 87.5	85.7 87.7	85.7 87.7	85.8 87.8	85.8 87.8	85.8 87.8	85.9 87.9
IV 1200 ≥ 1000	42.0 42.1	71.8 72.0	77.8 78.3	83.2 84.1	86.9 88.0	88.0 89.1	88.9 90.3	89.4 90.7	89.4 90.8	89.7 91.2	89.9 91.4	89.9 91.4	90.0 91.5	90.0 91.5	90.0 91.5	90.1 91.6
IV 900 ≥ 800	42.1 42.1	72.1 72.4	78.4 78.8	84.3 84.9	88.3 89.0	89.5 90.2	90.7 91.5	91.1 91.9	91.2 92.0	91.7 92.5	91.8 92.6	91.8 92.7	91.9 92.7	91.9 92.8	92.0 92.9	92.1 92.9
IV 700 ≥ 600	42.1 42.1	72.6 72.7	79.1 79.3	85.2 85.6	89.5 90.1	90.8 91.4	92.1 92.9	92.5 93.5	92.7 93.5	93.4 94.5	93.5 94.7	93.5 94.7	93.6 94.8	93.6 94.8	93.7 94.9	93.7 94.9
IV 500 ≥ 400	42.3 42.3	73.0 73.1	79.7 79.9	86.3 86.7	90.9 91.4	92.2 92.8	93.9 94.8	94.7 95.8	94.9 96.1	95.7 97.0	96.0 97.4	96.0 97.4	96.2 97.6	96.2 97.6	96.2 97.6	96.3 97.7
IV 300 ≥ 200	42.3 42.3	73.1 73.1	79.9 79.9	86.7 86.7	91.4 91.5	92.9 92.9	95.2 95.3	96.3 96.4	96.6 96.8	97.8 98.1	98.2 98.6	98.2 98.6	98.5 99.0	98.5 99.0	98.5 99.2	98.6 99.3
IV 100 ≥ 0	42.3 42.3	73.1 73.1	79.9 79.9	86.7 86.7	91.5 91.5	92.9 92.9	95.3 95.3	96.5 96.5	96.8 96.8	98.3 98.3	98.8 98.8	98.8 98.8	99.2 99.3	99.3 99.3	99.5 99.6	99.7 100.0

TOTAL NUMBER OF OBSERVATIONS

3146

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLEE AIR ILLINOIS/RANTUL

10-63  
YEARS

EC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.2	32.5	35.8	39.3	42.3	43.2	44.5	44.5	44.6	44.9	45.0	45.1	45.3	45.3	45.3	45.9
≥ 20000	19.0	36.0	40.0	43.6	46.9	48.0	49.4	49.5	49.5	49.9	50.1	50.1	50.3	50.3	50.4	51.0
IV 18000	19.1	36.0	40.1	43.8	47.1	48.2	49.5	49.6	49.7	50.0	50.2	50.3	50.5	50.5	50.5	51.1
IV 16000	19.2	36.1	40.2	43.9	47.2	48.3	49.6	49.7	49.8	50.1	50.3	50.4	50.6	50.6	50.6	51.2
IV 14000	19.4	36.7	40.8	44.6	48.0	49.1	50.5	50.6	50.7	51.0	51.2	51.3	51.5	51.5	51.6	52.1
IV 12000	19.7	37.4	41.6	45.4	49.0	50.1	51.6	51.7	51.8	52.1	52.3	52.3	52.5	52.5	52.6	53.2
IV 10000	20.3	38.7	43.0	47.1	50.8	51.9	53.6	53.7	53.7	54.2	54.4	54.4	54.6	54.6	54.7	55.3
IV 9000	20.7	39.3	43.7	47.9	51.6	52.9	54.5	54.6	54.6	55.1	55.3	55.3	55.5	55.5	55.6	56.2
IV 8000	21.1	40.5	45.0	49.4	53.3	54.7	56.4	56.5	56.5	57.0	57.2	57.2	57.4	57.4	57.5	58.1
IV 7000	21.8	41.8	46.4	51.0	55.0	56.4	58.3	58.4	58.4	58.9	59.1	59.1	59.3	59.3	59.4	60.0
IV 6000	22.4	42.7	47.3	52.0	56.1	57.6	59.6	59.7	59.8	60.3	60.5	60.5	60.7	60.7	60.8	61.4
IV 5000	22.9	43.8	48.6	53.5	57.7	59.1	61.1	61.3	61.3	61.9	62.1	62.2	62.3	62.3	62.4	63.0
IV 4500	23.0	44.2	49.0	53.9	58.1	59.6	61.6	61.8	61.8	62.4	62.6	62.7	62.9	62.9	62.9	63.9
IV 4000	23.3	45.1	50.1	55.2	59.5	61.0	63.1	63.3	63.3	64.0	64.2	64.2	64.4	64.4	64.5	65.1
IV 3500	23.4	45.8	51.0	56.1	60.5	62.0	64.1	64.3	64.4	65.0	65.2	65.2	65.4	65.4	65.5	66.1
IV 3000	23.9	47.6	53.1	58.8	63.4	65.0	67.1	67.3	67.3	68.0	68.2	68.2	68.4	68.4	68.5	69.1
IV 2500	24.6	49.2	55.1	60.8	65.5	67.2	69.3	69.6	69.6	70.3	70.5	70.5	70.7	70.7	70.8	71.4
IV 2000	25.0	51.4	57.6	63.6	68.5	70.2	72.7	73.1	73.1	73.8	74.0	74.1	74.3	74.3	74.4	75.0
IV 1800	25.3	52.3	58.6	64.7	69.8	71.5	74.0	74.4	74.5	75.3	75.5	75.5	75.8	75.8	75.9	76.4
IV 1500	25.3	53.3	59.6	66.1	71.6	73.3	76.1	76.6	76.7	77.5	77.7	77.8	78.1	78.1	78.1	78.7
IV 1200	25.8	54.6	61.3	68.0	73.9	75.6	78.5	79.0	79.2	80.2	80.5	80.5	80.8	80.8	80.9	81.5
IV 1000	25.8	55.5	62.3	69.6	75.9	77.7	80.7	81.3	81.4	82.6	82.8	82.9	83.3	83.3	83.3	84.0
IV 900	26.0	55.8	62.5	69.9	76.4	78.2	81.3	82.0	82.1	83.3	83.6	83.7	84.0	84.0	84.1	84.8
IV 800	26.0	55.9	62.9	70.4	77.3	79.2	82.4	83.2	83.4	84.8	85.1	85.2	85.6	85.6	85.7	86.3
IV 700	26.0	56.0	63.1	70.6	77.7	79.7	83.1	83.9	84.1	85.5	85.9	85.9	86.3	86.3	86.4	87.0
IV 600	26.0	56.0	63.3	71.0	78.5	80.5	84.5	85.7	85.9	87.5	87.9	87.9	88.3	88.3	88.4	89.1
IV 500	26.0	56.0	63.4	71.2	78.8	81.0	85.3	86.7	86.8	88.7	89.1	89.2	89.6	89.6	89.6	90.3
IV 400	26.0	56.1	63.5	71.3	79.1	81.4	86.2	87.7	87.9	89.8	90.4	90.5	91.0	91.0	91.1	91.7
IV 300	26.1	56.2	63.6	71.5	79.5	81.9	87.1	89.1	89.3	91.7	92.2	92.4	93.1	93.2	93.3	94.0
IV 200	26.1	56.2	63.6	71.6	79.8	82.1	87.4	89.4	89.6	92.3	93.3	93.5	94.5	94.6	94.8	95.5
IV 100	26.1	56.2	63.6	71.6	79.8	82.1	87.4	89.4	89.8	92.6	93.6	93.9	95.1	95.2	96.3	97.4
IV 0	26.1	56.2	63.6	71.6	79.8	82.1	87.4	89.4	89.8	92.6	93.6	94.0	95.2	95.3	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS..... 2539

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARLE AFB ILLINOIS/RAVTOUL  
STATION NAME

30-62  
YEARS

YEARS

UFC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	15.5	30.0	33.5	37.9	40.5	41.4	42.5	43.1	43.1	43.4	43.5	43.5	43.8	43.8	43.9	44.4
≥ 20000	16.2	32.8	36.5	40.5	44.4	45.3	46.6	47.1	47.1	47.5	47.6	47.5	47.8	47.8	47.9	48.4
≥ 18000	16.2	32.9	36.6	40.7	44.5	45.4	46.7	47.3	47.3	47.6	47.7	47.7	48.0	48.0	48.0	48.6
≥ 16000	16.2	32.9	36.7	40.7	44.6	45.5	46.8	47.4	47.4	47.7	47.8	47.8	48.1	48.1	48.2	48.7
≥ 14000	16.4	33.5	37.3	41.4	45.3	46.2	47.6	48.2	48.2	48.5	48.7	48.7	48.9	48.9	49.0	49.5
≥ 12000	16.9	34.5	38.5	42.3	47.0	47.9	49.6	50.2	50.2	50.5	50.6	50.6	50.9	50.9	51.0	51.5
≥ 10000	17.5	36.1	40.5	44.9	49.2	50.1	51.8	52.4	52.4	52.7	52.9	52.9	53.1	53.1	53.2	53.7
≥ 9000	17.7	36.6	41.0	45.5	49.5	50.7	52.4	53.1	53.1	53.4	53.6	53.6	53.8	53.8	53.9	54.4
≥ 8000	18.1	37.7	42.5	47.0	51.4	52.4	54.0	54.7	54.7	55.1	55.3	55.3	55.6	55.6	55.7	56.2
≥ 7000	18.7	38.9	43.7	48.4	52.9	53.9	55.8	56.6	56.6	57.0	57.2	57.2	57.4	57.4	57.5	58.0
≥ 6000	19.2	39.6	44.5	49.3	53.9	55.1	57.1	57.8	57.8	58.2	58.4	58.4	58.6	58.6	58.8	59.3
≥ 5000	19.6	40.0	45.5	50.6	55.4	56.5	58.6	59.4	59.4	59.8	60.0	60.0	60.3	60.3	60.4	60.9
≥ 4500	19.7	41.1	46.0	51.2	56.1	57.3	59.4	60.3	60.3	60.7	60.9	60.9	61.2	61.2	61.3	61.8
≥ 4000	20.0	41.8	46.9	52.2	57.2	58.4	60.7	61.6	61.6	62.0	62.2	62.2	62.5	62.5	62.6	63.1
≥ 3500	20.4	42.9	48.2	53.7	58.8	60.0	62.4	63.3	63.3	63.8	64.0	64.0	64.2	64.2	64.3	64.9
≥ 3000	20.8	44.5	49.9	55.8	61.1	62.4	64.8	65.7	65.7	66.2	66.4	66.4	66.6	66.6	66.7	67.3
≥ 2500	21.1	45.3	51.0	57.2	62.7	64.0	66.5	67.4	67.4	67.8	68.0	68.0	68.3	68.3	68.4	68.9
≥ 2000	21.6	47.3	53.4	59.8	65.5	66.9	69.6	70.6	70.6	71.0	71.2	71.2	71.5	71.5	71.6	72.1
≥ 1800	21.6	47.8	54.1	60.4	66.5	67.9	70.7	71.7	71.7	72.2	72.4	72.4	72.6	72.6	72.7	73.2
≥ 1500	22.0	49.9	56.3	63.2	69.4	70.8	73.8	74.9	74.9	75.4	75.7	75.7	75.9	75.9	76.1	76.6
≥ 1200	22.4	51.6	58.4	65.7	72.2	73.7	76.9	78.0	78.0	78.6	79.0	79.0	79.2	79.2	79.4	79.9
≥ 1000	22.7	52.5	59.5	67.0	73.8	75.5	78.8	80.1	80.1	80.8	81.2	81.3	81.6	81.6	81.7	82.2
≥ 900	22.7	52.7	59.8	67.5	74.4	76.1	79.6	81.1	81.1	82.2	82.5	82.6	82.9	82.9	83.1	83.6
≥ 800	22.8	53.0	60.4	68.2	75.4	77.1	81.0	82.5	82.6	83.8	84.2	84.3	84.7	84.7	84.8	85.3
≥ 700	22.8	53.1	60.6	68.5	76.0	77.8	81.8	83.3	83.5	84.8	85.3	85.5	85.9	85.9	86.0	86.5
≥ 600	22.8	53.3	60.8	68.9	76.7	78.5	82.7	84.5	84.6	86.1	86.7	86.9	87.3	87.3	87.4	87.9
≥ 500	22.8	53.4	61.1	69.4	77.6	79.5	84.4	86.4	86.5	88.2	88.8	88.9	89.4	89.4	89.6	90.1
≥ 400	22.8	53.4	61.2	69.8	78.2	80.2	85.6	88.0	88.2	90.2	90.8	91.0	91.6	91.6	91.7	92.2
≥ 300	22.8	53.4	61.2	69.8	78.7	80.7	86.6	88.9	89.1	91.4	92.2	92.3	93.3	93.3	93.5	94.0
≥ 200	22.8	53.4	61.3	69.5	78.8	80.8	86.3	88.9	89.3	92.2	93.3	93.3	94.7	94.8	95.2	95.9
≥ 100	22.8	53.4	61.3	69.9	78.8	80.8	86.3	89.0	89.4	92.4	93.7	94.1	95.6	95.7	96.4	97.6
≥ 0	22.8	53.4	61.3	69.9	78.8	80.8	86.3	89.0	89.4	92.4	93.7	94.1	95.7	95.9	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2510

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806 STATION NAME CAMP BELL ILLINOIS/KATY JUL

16-70 YEARS

DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	¼	≥0
NO CEILING ≥ 20000	13.7	24.2	26.0	29.6	32.8	33.3	34.8	35.7	35.7	36.6	36.6	36.6	36.6	36.7	36.7	36.8	37.0
≥ 18000	14.5	26.8	30.2	33.5	37.5	38.2	40.1	41.2	41.3	42.3	42.4	42.4	42.4	42.6	42.6	42.7	42.9
≥ 16000	14.5	26.9	30.3	33.6	37.6	38.3	40.2	41.3	41.4	42.4	42.5	42.5	42.5	42.7	42.7	42.8	43.0
≥ 14000	14.5	27.0	30.4	33.7	37.7	38.4	40.4	41.4	41.5	42.5	42.7	42.7	42.7	42.8	42.8	42.9	43.1
≥ 12000	14.8	27.6	31.2	34.5	38.6	39.3	41.4	42.5	42.6	43.7	43.8	43.8	43.8	43.9	43.9	44.0	44.3
≥ 10000	15.7	27.9	32.4	36.1	40.4	41.2	43.3	44.5	44.6	45.7	45.9	45.9	45.9	46.0	46.0	46.1	46.4
≥ 9000	16.7	20.9	34.8	38.7	43.1	44.0	46.3	47.4	47.5	48.8	49.0	49.0	49.0	49.1	49.1	49.2	49.4
≥ 8000	17.0	31.6	35.6	39.5	43.8	44.6	47.0	48.2	48.3	49.6	49.8	49.8	49.8	49.9	49.9	50.0	50.4
≥ 7000	17.6	32.9	37.1	41.1	45.8	46.8	49.2	50.4	50.5	51.8	52.1	52.1	52.1	52.2	52.2	52.3	52.6
≥ 6000	18.3	34.1	38.3	42.8	47.6	48.8	51.2	52.5	52.6	53.9	54.1	54.1	54.1	54.3	54.3	54.4	54.7
≥ 5000	16.7	35.0	39.5	44.1	49.2	50.5	53.0	54.3	54.4	55.7	55.9	55.9	55.9	56.1	56.1	56.2	56.5
≥ 4500	19.2	36.3	41.0	45.7	50.9	52.3	54.9	56.2	56.3	57.7	58.0	58.0	58.0	58.1	58.1	58.2	58.5
≥ 4000	19.6	37.1	41.8	46.6	51.3	53.3	55.9	57.2	57.5	58.9	59.2	59.2	59.2	59.3	59.3	59.4	59.8
≥ 3500	19.9	37.8	42.7	47.5	52.8	54.2	56.9	58.3	58.5	60.0	60.3	60.3	60.3	60.4	60.4	60.6	60.9
≥ 3000	20.1	38.5	43.3	48.4	53.8	55.4	58.1	59.5	59.7	61.2	61.5	61.5	61.5	61.6	61.6	61.8	62.1
≥ 2500	20.5	39.4	44.7	49.8	55.0	57.2	60.0	61.3	61.6	63.1	63.4	63.4	63.4	63.5	63.5	63.6	63.9
≥ 2000	21.1	40.8	46.5	51.9	57.9	59.6	62.4	63.8	64.1	65.6	65.9	65.9	65.9	66.1	66.1	66.2	66.5
≥ 1800	21.4	43.2	49.1	55.0	61.4	63.2	66.2	67.7	68.0	69.5	69.8	69.8	69.8	70.0	70.0	70.2	70.5
≥ 1500	22.1	43.7	49.8	55.6	62.2	64.0	67.0	68.5	68.8	70.4	70.7	70.7	70.7	70.8	70.8	71.0	71.3
≥ 1200	22.5	45.3	51.7	58.2	65.0	66.9	70.2	71.7	72.0	73.7	74.0	74.0	74.0	74.2	74.2	74.4	74.7
≥ 1000	23.0	46.6	53.3	60.1	67.1	69.2	72.7	74.4	74.7	76.5	76.9	77.0	77.0	77.2	77.2	77.4	77.7
≥ 900	23.3	48.0	55.0	62.1	69.4	71.6	75.5	77.4	77.8	79.6	80.1	80.2	80.2	80.5	80.5	80.7	81.0
≥ 800	23.4	48.9	55.4	62.5	70.0	72.3	76.4	78.4	78.8	80.7	81.2	81.3	81.3	81.7	81.7	81.9	82.2
≥ 700	23.5	49.0	56.1	63.3	71.1	73.3	77.6	79.6	80.0	82.2	82.8	82.7	82.7	83.3	83.3	83.5	83.8
≥ 600	23.5	49.4	56.7	64.2	72.1	74.4	78.8	81.0	81.5	83.9	84.4	84.6	84.6	85.0	85.0	85.1	85.5
≥ 500	23.5	49.7	57.1	64.8	72.9	75.3	79.9	82.3	82.8	85.3	86.0	86.1	86.1	86.6	86.6	86.9	87.2
≥ 400	23.5	49.8	57.5	65.3	73.8	76.3	81.1	84.0	84.5	87.5	88.3	88.5	88.5	89.1	89.2	89.5	89.8
≥ 300	23.5	49.9	57.6	65.6	74.3	76.9	82.0	85.2	85.8	89.1	90.1	90.2	90.2	90.9	91.1	91.4	91.8
≥ 200	23.5	50.0	57.7	65.7	74.6	77.2	82.5	85.8	86.4	90.0	91.4	91.6	91.6	92.6	92.7	93.2	93.7
≥ 100	23.5	50.0	57.7	65.7	74.7	77.3	82.7	86.2	86.9	90.8	92.6	92.7	92.7	94.0	94.3	94.9	95.6
≥ 0	23.5	50.0	57.7	65.7	74.7	77.3	82.7	86.3	87.0	91.1	93.0	93.3	93.3	94.7	95.1	96.0	97.3

TOTAL NUMBER OF OBSERVATIONS 3077



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHAMBLEE AFB ILLINOIS/RAMTUEL  
STATION NAME

36-79  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	17.1	26.6	28.6	31.5	33.7	34.1	34.8	35.0	35.0	35.3	35.4	35.4	35.5	35.5	35.5	35.5
≥ 20000	19.4	31.0	34.0	37.6	40.5	41.0	41.9	42.3	42.3	42.6	42.7	42.7	42.8	42.8	42.8	42.8
≥ 18000	19.5	31.1	34.0	37.7	40.6	41.1	42.0	42.4	42.4	42.7	42.8	42.8	42.9	42.9	42.9	42.9
≥ 16000	19.5	31.2	34.1	37.8	40.8	41.3	42.2	42.5	42.5	42.9	43.0	43.0	43.1	43.1	43.1	43.1
≥ 14000	19.9	31.9	34.9	38.7	41.8	42.3	43.2	43.6	43.6	44.0	44.1	44.1	44.1	44.1	44.1	44.2
≥ 12000	20.6	33.2	36.4	40.2	43.5	44.1	45.1	45.6	45.6	45.9	46.0	46.0	46.1	46.1	46.1	46.1
≥ 10000	21.4	35.3	38.8	43.2	46.9	47.5	48.5	49.0	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.7
≥ 9000	22.0	36.1	39.7	44.2	48.0	48.6	49.6	50.2	50.4	50.7	50.8	50.9	50.9	50.9	50.9	50.9
≥ 8000	22.9	37.2	40.9	45.6	49.7	50.2	51.4	52.0	52.1	52.6	52.7	52.7	52.8	52.8	52.8	52.8
≥ 7000	23.1	38.3	42.1	47.1	51.3	51.9	53.1	53.8	53.9	54.3	54.5	54.5	54.6	54.6	54.6	54.6
≥ 6000	23.5	39.1	43.1	48.2	52.7	53.3	54.6	55.2	55.4	55.8	56.0	56.0	56.1	56.1	56.1	56.1
≥ 5000	24.0	40.1	44.3	49.8	54.5	55.1	56.4	57.1	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0
≥ 4500	24.2	40.8	45.3	50.7	55.4	56.1	57.5	58.2	58.3	58.9	59.1	59.1	59.2	59.2	59.2	59.2
≥ 4000	24.5	41.5	46.2	51.8	56.8	57.5	59.1	59.9	60.1	60.6	60.9	60.9	60.9	60.9	61.0	61.0
≥ 3500	24.8	42.1	46.9	52.6	57.7	58.5	60.2	61.0	61.1	61.7	62.0	62.0	62.1	62.1	62.1	62.1
≥ 3000	25.2	42.9	48.1	54.0	59.4	60.3	62.0	62.8	63.0	63.7	64.1	64.1	64.1	64.1	64.2	64.2
≥ 2500	25.4	44.0	49.4	55.5	61.2	62.3	64.1	65.1	65.3	66.1	66.5	66.5	66.6	66.6	66.6	66.6
≥ 2000	26.8	46.0	51.8	58.1	63.9	65.0	66.9	67.9	68.1	68.9	69.4	69.4	69.4	69.4	69.5	69.5
≥ 1800	26.9	46.8	52.6	59.2	65.2	66.3	68.2	69.2	69.5	70.3	70.8	70.8	70.9	70.9	70.9	71.0
≥ 1500	27.4	48.3	54.4	61.4	67.7	69.0	71.4	72.5	72.8	73.6	74.2	74.2	74.3	74.3	74.4	74.4
≥ 1200	27.9	50.0	56.4	63.8	70.4	72.0	74.7	76.0	76.3	77.2	77.8	77.8	77.9	77.9	78.0	78.0
≥ 1000	27.9	50.9	57.6	65.3	72.4	74.2	77.3	78.8	79.1	80.4	81.1	81.1	81.2	81.2	81.3	81.3
≥ 900	28.0	51.3	59.1	65.9	73.2	75.0	78.2	79.9	80.2	81.7	82.4	82.4	82.5	82.5	82.7	82.7
≥ 800	28.0	51.8	59.9	67.0	74.5	76.4	79.9	81.8	82.1	83.7	84.5	84.6	84.8	84.8	84.9	85.0
≥ 700	28.1	52.2	59.4	67.8	75.5	77.5	81.1	83.1	83.6	85.3	86.4	86.4	86.7	86.7	86.9	86.9
≥ 600	28.1	52.2	59.5	68.0	76.1	78.2	82.1	84.2	84.8	86.8	87.9	87.9	88.2	88.3	88.5	88.6
≥ 500	28.1	52.5	59.9	68.7	77.0	79.2	83.2	85.6	86.3	88.6	90.0	90.0	90.5	90.5	90.9	90.9
≥ 400	28.1	52.6	60.2	69.1	77.6	79.8	84.3	86.9	87.6	90.4	91.9	92.0	92.7	92.9	93.2	93.2
≥ 300	28.1	52.6	60.2	69.2	77.7	80.0	84.6	87.7	88.5	91.6	93.5	93.5	94.6	94.8	95.2	95.5
≥ 200	28.1	52.6	60.2	69.2	77.9	80.3	85.1	88.3	89.2	92.9	95.2	95.3	96.8	97.1	97.5	97.8
≥ 100	28.1	52.6	60.2	69.2	78.0	80.4	85.1	88.3	89.3	92.9	95.3	95.4	97.1	97.5	98.2	98.8
≥ 0	28.1	52.6	60.2	69.2	78.0	80.4	85.1	88.3	89.3	92.9	95.4	95.4	97.2	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

3246

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806 STATION CHANUTE AFB ILLINOIS/KANT JUL

36-70

YEARS

OFF MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	21.0	30.1	31.7	33.1	34.1	34.3	34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	24.1	36.0	36.2	40.3	41.5	41.7	42.0	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	24.2	36.3	38.5	40.6	41.8	42.0	42.3	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	24.4	36.4	38.7	40.8	42.1	42.3	42.6	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 14000	24.8	37.5	39.8	41.9	43.3	43.6	43.9	44.0	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000	25.5	39.0	41.5	43.7	45.1	45.4	45.7	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000	27.0	41.4	43.9	46.4	48.0	48.3	48.8	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 9000	27.5	42.2	45.0	47.5	49.2	49.5	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	28.5	43.9	47.0	49.7	51.4	51.7	52.3	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	28.5	45.2	48.4	51.3	53.1	53.4	54.0	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 6000	29.2	46.1	49.6	52.6	54.5	54.8	55.4	55.7	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	29.7	46.9	50.5	53.6	55.7	56.1	56.7	57.0	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4
≥ 4500	30.0	47.6	51.2	54.6	56.6	56.9	57.6	57.9	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 4000	30.3	48.4	52.2	55.9	58.1	58.5	59.3	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1
≥ 3500	30.6	49.2	53.3	57.0	59.3	59.7	60.6	61.0	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3000	31.3	50.3	54.7	58.5	61.0	61.4	62.4	62.8	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3
≥ 2500	32.0	52.5	56.8	60.8	63.5	64.0	65.1	65.6	65.7	66.0	66.1	66.1	66.2	66.2	66.2	66.2
≥ 2000	33.5	55.2	59.9	64.0	67.0	67.6	68.8	69.3	69.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1800	33.9	56.2	61.0	65.3	68.4	69.1	70.4	70.9	71.0	71.4	71.5	71.5	71.6	71.6	71.6	71.6
≥ 1500	34.6	58.3	63.3	68.0	71.4	72.3	73.9	74.5	74.7	75.0	75.2	75.2	75.3	75.3	75.3	75.3
≥ 1200	35.4	60.6	65.9	71.0	74.7	75.6	77.8	78.7	78.9	79.3	79.5	79.5	79.6	79.6	79.6	79.6
≥ 1000	35.5	61.4	67.1	72.8	77.3	78.3	81.1	82.3	82.5	83.1	83.5	83.5	83.6	83.6	83.6	83.6
≥ 900	35.6	61.8	67.5	73.4	78.0	79.2	82.0	83.3	83.5	84.3	84.6	84.6	84.7	84.7	84.7	84.7
≥ 800	35.7	62.3	68.3	74.5	79.5	80.7	83.8	85.2	85.5	86.3	86.8	86.8	87.0	87.0	87.0	87.0
≥ 700	35.8	62.6	68.8	75.4	80.5	82.0	85.2	86.8	87.3	88.2	88.8	88.8	89.0	89.0	89.0	89.0
≥ 600	35.9	62.9	69.1	76.0	81.0	83.1	86.7	88.4	88.9	90.0	90.7	90.7	91.0	91.0	91.0	91.0
≥ 500	35.9	63.1	69.5	76.6	82.5	84.2	88.1	90.0	90.6	91.6	92.7	92.7	93.1	93.1	93.4	93.4
≥ 400	36.0	63.2	69.6	76.8	82.8	84.6	88.8	91.2	91.9	93.6	94.7	94.7	95.3	95.3	95.5	95.5
≥ 300	36.0	63.2	69.7	76.9	83.1	85.0	89.3	91.9	92.7	94.9	96.1	96.2	96.8	96.9	97.2	97.2
≥ 200	36.0	63.2	69.7	77.0	83.3	85.2	89.5	92.2	93.0	95.4	96.8	97.0	97.9	98.1	98.8	98.8
≥ 100	36.0	63.2	69.7	77.0	83.3	85.2	89.5	92.2	93.1	95.4	96.9	97.1	98.2	98.3	99.0	99.5
≥ 0	36.0	63.2	69.7	77.0	83.3	85.2	89.5	92.2	93.1	95.4	96.9	97.1	98.2	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

3221

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTICUL  
STATION NAME

36-70  
YEARS

SEC  
NO. 111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5-16	≥ 0
NO CEILING	40.4	31.1	32.5	34.6	35.8	36.0	36.4	36.6	36.6	36.8	36.8	36.8	36.9	36.9	36.9	36.9
≥ 20000	23.8	27.0	29.4	41.4	42.9	43.1	43.7	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 18000	23.8	27.1	29.5	41.6	43.0	43.3	43.9	44.1	44.2	44.4	44.4	44.4	44.5	44.5	44.5	44.5
≥ 16000	23.8	27.3	29.7	41.8	43.2	43.5	44.1	44.3	44.3	44.5	44.6	44.6	44.7	44.7	44.7	44.7
≥ 14000	24.2	28.3	30.8	43.0	44.5	44.8	45.4	45.7	45.7	46.0	46.0	46.0	46.1	46.1	46.1	46.1
≥ 12000	23.2	29.7	42.2	44.3	46.2	46.6	47.2	47.4	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000	25.8	41.5	44.2	46.8	48.3	49.0	49.6	49.8	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 9000	26.3	42.4	45.1	47.8	49.6	50.1	50.7	51.0	51.0	51.3	51.3	51.3	51.4	51.4	51.4	51.4
≥ 8000	27.0	43.9	47.0	49.9	52.0	52.5	53.2	53.4	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 7000	27.6	45.4	48.7	51.0	54.0	54.6	55.3	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	27.9	46.3	50.0	53.2	55.6	56.2	56.9	57.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	28.4	47.9	51.5	54.9	57.3	58.0	58.8	59.0	59.1	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	28.7	48.3	52.2	55.7	58.1	58.8	59.6	59.9	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4000	29.2	49.3	53.6	57.1	59.7	60.4	61.2	61.6	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3500	29.8	50.9	54.7	58.3	61.0	61.8	62.6	63.0	63.0	63.5	63.5	63.5	63.6	63.6	63.6	63.6
≥ 3000	30.3	52.0	56.0	59.7	62.8	63.5	64.4	64.8	64.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 2500	31.0	53.4	57.0	61.6	64.8	65.6	66.7	67.1	67.2	67.7	67.7	67.7	67.8	67.8	67.8	67.8
≥ 2000	32.1	56.2	61.1	65.2	68.5	69.3	70.6	71.4	71.4	72.0	72.0	72.0	72.1	72.1	72.1	72.1
≥ 1800	32.5	57.1	62.1	66.3	69.8	70.6	72.0	72.8	72.9	73.5	73.5	73.5	73.6	73.6	73.6	73.6
≥ 1500	33.4	59.5	64.6	69.4	73.3	74.2	75.7	76.6	76.7	77.4	77.4	77.4	77.5	77.5	77.5	77.5
≥ 1200	33.9	61.4	67.3	72.1	76.4	77.4	79.1	80.2	80.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6
≥ 1000	34.1	62.5	68.6	73.9	78.7	79.8	82.0	83.3	83.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9
≥ 900	34.1	62.7	69.0	74.4	79.3	80.5	82.8	84.2	84.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8
≥ 800	34.1	62.9	69.5	75.2	80.4	81.7	84.1	85.7	86.1	87.4	87.6	87.6	87.8	87.8	87.8	87.8
≥ 700	34.1	63.0	69.8	75.8	81.2	82.6	85.2	87.2	87.6	89.1	89.2	89.3	89.5	89.5	89.5	89.5
≥ 600	34.1	63.3	70.2	76.2	81.7	83.3	86.3	88.4	88.9	90.5	90.8	90.9	91.1	91.1	91.1	91.1
≥ 500	34.1	63.4	70.2	76.5	82.2	83.8	87.2	89.4	90.0	91.9	92.4	92.5	92.8	92.9	93.0	93.0
≥ 400	34.1	63.4	70.3	76.6	82.5	84.2	87.7	90.4	91.2	93.5	94.1	94.2	95.0	95.0	95.1	95.1
≥ 300	34.1	63.4	70.3	76.7	82.7	84.4	88.1	90.9	91.6	94.4	95.4	95.5	96.6	96.7	97.6	97.6
≥ 200	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.8	96.1	96.2	97.5	97.5	98.1	98.1
≥ 100	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.9	96.3	96.3	97.7	97.8	98.6	98.6
≥ 0	34.1	63.4	70.3	76.7	82.7	84.4	88.3	91.2	92.1	94.9	96.3	96.3	97.7	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

3234

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14806  
STATION

CHAMPAIGN ILLINOIS/RAVENS  
STATION NAME

16-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING ≥ 20000	20.5	32.5	35.2	37.5	39.5	40.0	40.7	40.9	41.0	41.2	41.3	41.3	41.4	41.4	41.4	41.7
IV 18000	22.3	35.5	39.2	42.0	44.3	45.0	45.8	45.1	46.1	46.4	46.4	46.5	46.6	46.6	46.6	46.9
IV 16000	22.3	35.5	39.3	42.1	44.3	45.1	45.9	46.2	46.2	46.5	46.5	46.6	46.7	46.7	46.7	47.0
IV 14000	22.6	37.0	40.5	43.2	45.8	46.3	47.3	47.5	47.6	47.8	47.9	47.9	48.0	48.0	48.1	48.3
IV 12000	23.2	38.2	41.5	44.4	47.0	47.6	48.7	49.0	49.0	49.3	49.3	49.4	49.5	49.5	49.5	49.8
IV 10000	24.3	40.2	44.1	47.0	49.7	50.4	51.5	51.8	51.8	52.1	52.1	52.2	52.3	52.3	52.3	52.6
IV 9000	24.9	41.0	44.8	47.9	50.7	51.4	52.4	52.7	52.8	53.0	53.1	53.1	53.3	53.3	53.3	53.5
IV 8000	25.7	42.6	46.5	49.8	52.9	53.6	54.7	55.0	55.1	55.3	55.4	55.4	55.6	55.6	55.6	55.8
IV 7000	25.4	43.9	47.8	51.2	54.3	55.1	56.2	56.5	56.6	56.8	56.9	56.9	57.0	57.0	57.1	57.3
IV 6000	25.7	44.7	49.0	52.5	55.7	56.5	57.5	58.0	58.0	58.3	58.4	58.4	58.6	58.6	58.6	58.8
IV 5000	27.6	46.1	50.5	54.1	57.4	58.2	59.4	59.9	59.9	60.2	60.3	60.3	60.4	60.4	60.4	60.7
IV 4500	27.9	46.7	51.2	54.9	58.3	59.1	60.2	60.7	60.7	61.1	61.1	61.1	61.3	61.3	61.3	61.5
IV 4000	28.4	48.0	52.6	56.4	59.9	60.7	61.8	62.3	62.4	62.8	62.8	62.9	63.0	63.0	63.0	63.3
IV 3500	28.8	49.3	53.9	57.9	61.3	62.3	63.6	64.1	64.2	64.6	64.7	64.7	64.8	64.8	64.8	65.1
IV 3000	29.7	50.5	55.5	59.5	63.3	64.2	65.5	66.1	66.2	66.6	66.7	66.7	66.8	66.8	66.8	67.1
IV 2500	30.3	52.0	57.4	61.5	65.4	66.3	67.7	68.5	68.5	68.9	69.0	69.0	69.1	69.1	69.2	69.4
IV 2000	31.3	54.5	60.3	64.7	69.2	70.1	71.4	72.7	72.8	73.3	73.4	73.4	73.5	73.5	73.5	73.8
IV 1800	31.5	55.3	61.4	66.0	70.5	71.4	72.7	74.2	74.3	74.8	74.8	74.9	75.0	75.0	75.0	75.3
IV 1500	32.2	57.0	63.4	68.2	73.0	74.0	76.0	77.2	77.2	77.9	78.0	78.0	78.2	78.2	78.2	78.5
IV 1200	32.7	59.5	66.4	71.6	76.7	77.9	81.1	81.3	81.4	82.1	82.3	82.3	82.5	82.5	82.5	82.8
IV 1000	32.8	60.3	67.6	73.2	78.5	79.8	82.3	83.6	83.7	84.4	84.6	84.7	84.8	84.8	84.9	85.1
IV 900	33.0	60.7	68.2	74.1	79.4	80.7	83.3	84.8	84.9	85.6	85.8	85.9	86.0	86.0	86.1	86.3
IV 800	33.0	61.1	68.8	74.9	80.4	81.8	84.5	86.2	86.3	87.0	87.4	87.4	87.6	87.6	87.6	87.9
IV 700	33.1	61.5	69.3	75.5	81.3	82.8	85.6	87.5	87.6	88.4	88.7	88.8	89.0	89.0	89.1	89.3
IV 600	33.1	61.7	69.7	75.9	81.8	83.4	86.4	88.4	88.6	89.5	90.0	90.1	90.3	90.3	90.4	90.7
IV 500	33.1	61.9	70.1	76.4	82.6	84.2	87.4	89.7	89.9	90.9	91.5	91.5	91.9	91.9	92.0	92.3
IV 400	33.1	61.9	70.2	76.6	83.0	84.7	87.9	90.4	90.7	92.0	92.8	92.9	93.2	93.2	93.4	93.6
IV 300	33.1	62.0	70.2	76.7	83.2	85.0	88.4	91.1	91.5	93.0	94.1	94.2	94.9	94.9	95.2	95.5
IV 200	33.1	62.0	70.2	76.8	83.5	85.2	88.7	91.6	92.0	93.8	95.3	95.3	96.5	96.5	96.9	97.1
IV 100	33.1	62.0	70.2	76.8	83.5	85.2	88.7	91.6	92.0	93.9	95.5	95.7	97.0	97.2	97.5	98.1
IV 0	33.1	62.0	70.2	76.8	83.5	85.2	88.7	91.6	92.0	93.9	95.5	95.7	97.0	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3243

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

14806  
STATION

CHARLIE AFB ILLINOIS/RAH/LUL  
STATION NAME

36-70  
YEARS

CFL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS UT-517

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	20.7	33.4	35.9	38.3	40.9	41.5	42.0	42.4	42.4	42.5	42.6	42.6	42.7	42.7	42.7	43.1
≥ 18000	22.2	36.7	39.9	42.7	45.5	46.2	46.8	47.1	47.1	47.3	47.5	47.5	47.5	47.5	47.6	47.9
≥ 16000	22.3	36.8	40.0	42.8	45.6	46.2	46.9	47.3	47.3	47.4	47.6	47.6	47.7	47.7	47.7	48.1
≥ 14000	22.8	37.5	40.8	43.7	46.6	47.3	48.0	48.3	48.3	48.4	48.6	48.6	48.7	48.7	48.8	49.1
≥ 12000	23.3	38.4	41.7	44.8	47.7	48.4	49.2	49.6	49.6	49.7	49.9	49.9	49.9	49.9	50.0	50.3
≥ 10000	24.4	40.0	43.6	46.8	49.7	50.5	51.2	51.6	51.6	51.8	52.0	52.0	52.0	52.0	52.1	52.5
≥ 9000	25.0	40.7	44.5	47.8	50.7	51.6	52.3	52.7	52.7	52.8	53.0	53.0	53.1	53.1	53.2	53.5
≥ 8000	25.7	42.0	45.0	49.3	52.5	53.4	54.2	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.1	55.4
≥ 7000	26.2	43.2	47.3	50.8	54.2	55.1	55.8	56.2	56.2	56.4	56.6	56.6	56.7	56.7	56.8	57.1
≥ 6000	26.6	44.0	48.3	52.0	55.6	56.5	57.3	57.7	57.7	57.9	58.2	58.2	58.3	58.3	58.3	58.7
≥ 5000	27.3	45.1	49.6	53.3	56.9	57.9	58.7	59.1	59.1	59.4	59.6	59.6	59.7	59.7	59.8	60.1
≥ 4500	27.2	45.6	50.1	54.0	57.8	58.8	59.6	60.0	60.0	60.3	60.5	60.5	60.6	60.7	60.7	61.1
≥ 4000	27.8	46.7	51.3	55.4	59.4	60.4	61.2	61.7	61.7	62.0	62.3	62.3	62.4	62.4	62.5	62.8
≥ 3500	28.3	47.9	52.6	56.8	60.8	61.8	62.7	63.2	63.2	63.6	63.8	63.8	63.9	64.0	64.0	64.4
≥ 3000	29.0	49.4	54.4	58.9	63.0	64.1	65.0	65.5	65.5	66.0	66.3	66.3	66.3	66.4	66.4	66.8
≥ 2500	29.8	51.3	56.0	61.3	65.6	66.7	67.7	68.4	68.5	69.0	69.2	69.2	69.3	69.4	69.4	69.8
≥ 2000	30.9	53.3	59.1	64.1	69.0	70.2	71.7	72.5	72.6	73.4	73.6	73.6	73.8	73.8	73.9	74.2
≥ 1800	31.1	54.0	60.0	65.2	70.4	71.6	73.1	73.9	74.0	74.8	75.1	75.1	75.2	75.2	75.3	75.7
≥ 1500	31.9	55.7	61.8	67.3	72.9	74.2	76.1	77.1	77.2	78.2	78.5	78.5	78.7	78.7	78.8	79.2
≥ 1200	32.2	57.4	63.6	69.6	75.3	76.8	78.8	79.9	80.0	81.1	81.5	81.5	81.7	81.7	81.8	82.2
≥ 1000	32.4	58.2	64.8	70.8	76.7	78.3	80.5	81.7	81.9	82.9	83.4	83.4	83.6	83.6	83.7	84.1
≥ 900	32.4	58.4	65.2	71.3	77.3	78.9	81.2	82.4	82.6	83.7	84.2	84.2	84.3	84.4	84.5	84.9
≥ 800	32.6	58.7	65.7	72.0	78.1	79.7	82.3	83.6	83.7	84.9	85.4	85.4	85.6	85.6	85.7	86.1
≥ 700	32.6	58.9	66.0	72.5	78.7	80.3	83.0	84.5	84.6	85.8	86.3	86.3	86.5	86.5	86.6	87.0
≥ 600	32.7	59.2	66.5	73.0	79.5	81.2	84.2	85.9	86.2	87.4	87.9	87.9	88.2	88.2	88.3	88.7
≥ 500	32.8	59.4	66.8	73.6	80.3	82.1	85.3	87.3	87.6	89.0	89.6	89.6	90.0	90.0	90.1	90.5
≥ 400	32.8	59.4	66.9	73.9	80.7	82.8	86.2	88.6	88.8	90.7	91.6	91.6	92.1	92.1	92.2	92.7
≥ 300	32.8	59.5	66.9	74.0	81.0	83.2	86.8	89.3	89.5	91.9	93.2	93.2	93.8	93.9	94.1	94.5
≥ 200	32.8	59.5	66.9	74.0	81.0	83.3	87.1	89.7	90.0	92.8	94.5	94.7	95.5	95.8	96.0	96.5
≥ 100	32.8	59.5	66.9	74.0	81.0	83.3	87.2	89.8	90.1	93.1	94.9	95.1	96.3	96.6	97.2	97.9
≥ 0	32.8	59.5	66.9	74.0	81.0	83.3	87.2	89.8	90.1	93.1	94.9	95.2	96.4	96.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3224

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	20.2	3.4	4.0	3.4	2.6	1.7	2.7	3.1	4.3	3.4	51.3	6.6	17202
FEB		22.7	3.8	3.7	3.6	2.9	2.2	3.1	3.5	4.6	3.2	46.6	6.2	15670
MAR		19.2	3.4	4.0	3.4	3.1	2.5	2.8	3.9	5.2	3.7	48.7	6.5	17191
APR		19.2	3.2	4.0	3.7	3.4	2.9	3.3	4.6	6.3	4.6	44.8	6.4	16569
MAY		20.3	4.4	4.8	4.8	4.3	3.5	4.1	5.4	7.2	5.0	36.3	5.9	16976
JUN		17.8	5.1	5.6	5.8	5.2	4.4	4.8	6.4	8.5	5.9	30.4	5.8	16429
JUL		21.2	6.5	7.1	6.9	6.0	5.2	4.9	6.4	8.2	5.4	22.4	5.0	16975
AUG		27.8	6.7	6.8	6.1	5.9	4.5	4.3	5.7	6.9	4.8	20.5	4.5	16969
SEP		34.6	5.6	5.6	4.7	4.2	3.5	3.8	4.4	5.9	4.6	23.1	4.4	16383
OCT		36.2	5.2	4.8	4.4	3.7	2.8	3.1	3.9	5.2	3.6	27.1	4.5	16957
NOV		23.9	4.2	4.4	3.6	3.1	2.2	3.0	3.8	5.3	4.1	42.6	6.0	16415
DEC		22.1	3.2	3.5	3.0	2.5	2.0	2.4	3.1	4.1	3.2	50.9	6.5	16926
TOTALS		23.8	4.6	4.9	4.5	3.9	3.1	3.5	4.5	6.0	4.3	37.1	5.7	200662

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	30.4	2.4	2.9	2.9	1.7	.9	1.8	2.1	3.0	1.5	50.3	5.9	1705
	03-05	27.7	2.0	3.5	3.1	3.2	1.3	1.9	2.4	2.9	1.1	51.1	6.1	1674
	06-08	17.2	4.4	5.0	3.1	2.2	1.8	3.2	3.4	5.4	3.5	50.7	6.7	2201
	09-11	12.9	4.3	3.7	3.7	3.2	2.6	3.1	4.2	4.6	5.2	52.5	7.0	2325
	12-14	12.4	3.7	3.5	3.1	2.9	2.1	3.7	4.7	5.9	5.5	52.5	7.2	2324
	15-17	12.1	4.0	4.6	3.5	2.2	1.9	3.3	3.2	6.3	5.6	53.3	7.2	2324
	18-20	20.4	3.1	4.7	4.3	3.7	1.9	2.9	3.1	3.2	2.7	50.9	6.4	2324
	21-23	28.2	3.4	3.9	3.2	2.2	1.3	1.7	1.8	3.4	1.8	48.9	5.9	2325
TOTALS		20.2	3.4	4.0	3.4	2.6	1.7	2.7	3.1	4.3	3.4	51.3	6.6	17202



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

14806 CHANUTE AFB ILLINOIS/RANTOUL

46-70

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	31.4	2.1	2.6	3.2	2.4	2.0	2.5	2.3	2.6	1.3	47.5	5.7	1553
	03-05	28.7	1.6	3.9	3.1	3.1	1.5	2.6	2.6	2.6	1.2	48.9	5.9	1524
	06-08	19.5	4.4	3.9	4.3	3.0	1.7	3.3	3.4	5.4	3.7	47.3	6.4	2003
	09-11	17.3	3.6	4.0	3.4	3.1	2.9	3.3	4.4	6.2	4.5	47.2	6.6	2118
	12-14	15.1	3.9	3.8	3.7	3.2	3.4	3.8	5.1	5.9	4.6	47.5	6.7	2118
	15-17	13.9	6.6	3.3	4.1	2.8	2.4	3.6	4.3	5.6	4.7	46.6	6.7	2118
	18-20	22.3	5.6	4.2	3.9	3.1	2.1	3.3	3.9	4.7	3.5	43.5	6.0	2118
	21-23	33.1	2.7	4.0	3.4	2.2	1.7	2.6	2.0	3.6	2.0	42.5	5.4	2118
TOTALS		22.7	3.8	3.7	3.6	2.9	2.2	3.1	3.5	4.6	3.2	46.6	6.2	15670

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

46-70

MAR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	30.8	1.9	3.2	2.3	2.1	2.4	2.4	2.8	2.9	1.4	47.9	5.8	1697
	03-05	27.9	2.6	4.2	3.5	2.3	1.5	2.9	2.7	4.1	2.1	46.2	5.9	1674
	06-08	18.3	4.4	4.1	3.7	3.3	2.9	2.9	4.2	5.3	3.8	47.2	6.5	2199
	09-11	14.5	5.0	3.9	3.0	3.4	2.9	2.4	4.8	7.1	4.5	48.5	6.8	2325
	12-14	9.9	3.1	3.5	3.7	3.5	3.4	3.7	6.2	7.1	5.4	50.4	7.3	2324
	15-17	8.0	3.0	4.6	4.3	3.8	3.6	2.8	4.9	6.5	6.5	52.0	7.4	2325
	18-20	16.2	4.3	4.4	3.6	3.4	2.1	2.8	3.7	5.3	3.8	50.3	6.7	2323
	21-23	27.6	3.1	4.3	3.4	2.9	1.1	2.4	2.2	3.6	2.0	47.2	5.9	2324
TOTALS		19.2	3.4	4.0	3.4	3.1	2.5	2.8	3.9	5.2	3.7	48.7	6.5	17191

**USAFETAC**FORM  
1031 64

0.9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

APR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	35.0	2.5	4.0	3.0	2.7	1.9	2.5	2.7	3.7	1.7	40.2	5.2	1608
	03-05	27.2	3.0	4.3	4.5	2.9	2.5	3.2	3.5	5.5	2.5	40.9	5.7	1614
	06-08	17.1	3.9	4.4	3.7	3.7	2.0	2.8	3.9	6.4	6.2	46.1	6.6	2134
	09-11	12.5	3.1	4.2	3.4	3.4	3.3	3.5	5.6	7.2	5.9	47.8	7.0	2250
	12-14	9.1	3.2	2.9	3.1	3.4	3.8	4.2	6.5	8.8	7.0	48.0	7.4	2249
	15-17	8.8	3.1	3.2	4.1	3.8	3.5	3.8	5.6	7.8	7.5	48.7	7.3	2247
	18-20	15.7	3.8	4.8	3.8	5.7	3.6	3.7	5.4	6.0	3.9	45.5	6.6	2250
	21-23	28.4	2.9	4.5	4.2	3.3	2.7	2.8	3.6	4.6	2.2	40.9	5.6	2217
TOTALS		19.2	3.2	4.0	3.7	3.4	2.9	3.3	4.6	6.3	4.6	44.8	6.4	16569

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	35.4	3.6	5.6	4.6	3.4	1.6	3.2	2.9	4.7	2.7	32.3	4.7	1577
	03-05	23.7	5.8	5.0	4.7	4.6	3.6	3.8	5.4	6.5	3.0	33.9	5.4	1673
	06-08	18.5	5.7	4.4	4.7	3.6	3.3	3.2	3.6	6.6	5.0	39.4	6.1	2323
	09-11	15.6	4.0	4.1	4.1	4.1	3.0	4.0	3.7	9.2	6.1	40.2	6.5	2323
	12-14	10.6	3.2	3.6	4.9	4.3	4.8	3.2	6.6	9.4	7.4	39.9	6.9	2324
	15-17	9.5	4.5	4.4	5.5	5.0	5.5	4.1	6.5	9.0	7.7	38.4	6.7	2325
	18-20	15.9	5.1	6.1	5.3	4.5	3.1	4.9	5.9	7.0	5.2	37.0	6.1	2324
	21-23	33.0	3.5	4.8	4.8	4.6	2.8	4.5	4.7	3.1	3.1	29.0	4.8	2107
TOTALS		20.3	4.4	4.8	4.8	4.3	3.5	4.1	5.4	7.2	5.0	36.3	5.9	16976

FORM 0-9-5 (OL A)  
11/1/64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

46-70

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	40.2	2.4	5.0	5.4	3.8	2.4	4.3	3.5	5.2	3.6	24.3	4.2	1530
	03-05	18.9	6.3	6.9	6.9	4.9	3.5	4.1	5.9	8.4	5.8	28.6	5.5	1620
	06-08	17.1	6.3	4.9	5.1	3.9	3.4	4.4	6.2	7.2	5.6	35.9	6.0	2250
	09-11	10.7	5.0	4.6	6.2	5.9	5.2	5.3	7.6	9.0	6.7	33.7	6.4	2248
	12-14	5.0	3.6	4.2	5.0	7.0	7.7	4.8	8.3	12.0	8.2	33.2	6.8	2250
	15-17	6.1	5.1	4.5	6.3	6.7	6.0	5.8	8.0	11.4	7.6	32.4	6.6	2249
	18-20	12.1	6.3	7.7	5.8	5.0	4.4	5.4	7.2	9.5	6.5	30.0	6.0	2246
	21-23	31.2	6.0	7.2	5.7	4.7	2.9	4.0	4.7	4.9	3.3	25.2	4.5	2036
TOTALS		17.8	5.1	5.6	5.8	5.2	4.4	4.8	6.4	8.5	5.9	30.4	5.8	16429

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

## SKY COVER

JUL

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	45.4	5.2	5.8	5.4	4.6	2.6	2.8	3.3	4.0	2.4	18.5	3.4	1581
	03-05	25.9	8.2	8.8	7.2	4.2	3.5	4.2	5.3	6.3	3.3	23.0	4.5	1673
	06-08	20.6	5.7	7.9	6.6	4.8	3.2	3.9	5.2	7.6	5.8	28.8	5.4	2325
	09-11	12.0	7.3	6.3	6.2	6.0	5.6	5.6	7.3	9.1	7.5	27.1	5.9	2323
	12-14	5.0	4.7	4.3	6.2	8.1	9.0	8.2	9.4	12.7	8.2	24.3	6.4	2323
	15-17	7.3	5.4	6.4	8.0	9.3	8.1	5.6	8.8	12.2	7.6	21.2	5.9	2323
	18-20	16.6	8.0	9.0	7.8	6.5	5.3	4.8	7.7	8.7	5.4	20.0	5.0	2323
	21-23	36.4	7.1	7.9	7.5	4.8	3.9	4.3	4.5	4.6	2.8	16.3	3.7	2104
TOTALS		21.2	6.5	7.1	6.9	6.0	5.2	4.9	6.4	8.2	5.4	22.4	5.0	16975

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	52.3	4.0	4.4	5.2	4.0	2.0	3.1	3.4	3.7	1.8	16.1	3.0	1581
	03-05	35.2	7.9	7.9	5.3	5.0	2.5	3.7	4.7	4.9	2.9	20.0	3.9	1671
	06-08	25.1	5.8	7.4	5.5	4.8	3.8	4.0	5.3	6.6	4.1	26.7	4.9	2322
	09-11	20.5	7.1	5.6	5.6	4.7	5.2	4.9	6.1	9.9	5.6	24.7	5.3	2322
	12-14	9.8	4.9	6.5	6.3	8.4	9.0	6.2	9.2	9.6	8.0	22.2	5.9	2323
	15-17	10.8	7.5	8.4	8.1	9.3	6.2	4.9	7.7	10.0	7.3	19.7	5.4	2324
	18-20	23.5	8.4	7.4	7.6	6.9	5.2	4.4	5.5	6.9	5.4	18.7	4.6	2325
	21-23	45.4	6.9	6.7	5.2	4.3	2.4	3.4	3.3	3.8	3.1	15.6	3.2	2101
TOTALS		27.8	6.7	6.8	6.1	5.9	4.5	4.3	5.7	6.9	4.8	20.5	4.5	16969

## SKY COVER

5CP

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	53.9	3.0	4.8	3.1	2.7	1.6	2.9	2.4	2.7	2.2	20.7	3.2	1578
	03-05	43.7	6.2	4.8	3.4	3.3	2.9	3.1	3.1	5.6	3.3	20.7	3.8	1652
	06-08	28.2	6.8	3.2	4.1	3.3	3.1	3.7	4.7	7.4	6.1	27.4	3.0	2249
	09-11	26.4	6.3	3.5	3.4	4.0	4.8	3.3	5.1	7.6	6.1	25.0	5.0	2248
	12-14	20.1	5.4	5.8	5.2	5.6	6.2	6.3	6.8	7.8	6.9	23.8	5.3	2249
	15-17	23.0	5.8	6.4	6.8	6.9	4.9	4.4	5.0	6.8	6.8	23.2	5.0	2246
	18-20	33.7	6.4	7.4	5.4	4.9	2.8	3.6	4.8	5.3	3.6	22.3	4.2	2181
	21-23	48.0	4.5	4.9	4.1	3.2	1.8	3.3	3.6	4.0	1.8	20.7	3.5	1980
TOTALS		34.6	5.6	5.6	4.7	4.2	3.5	3.8	4.4	5.9	4.6	23.1	4.4	16383

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## SKY COVER

ACT

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	52.3	2.9	4.2	2.7	2.6	1.9	2.9	2.2	3.3	1.4	23.6	3.5	1657
	03-05	46.3	4.2	4.3	4.2	3.6	2.6	2.3	2.9	4.2	2.6	22.8	3.7	1709
	06-08	30.4	5.8	5.0	4.5	3.4	2.6	2.6	4.8	7.2	5.2	28.4	4.9	2299
	09-11	29.1	5.7	4.8	3.8	3.5	3.1	2.9	4.8	6.5	4.9	30.9	5.1	2324
	12-14	24.4	5.5	4.8	4.9	4.1	3.5	4.0	6.0	6.6	5.3	31.0	5.4	2324
	15-17	23.3	6.8	5.9	6.2	5.3	3.9	3.7	5.2	6.2	5.2	28.4	5.2	2323
	18-20	36.4	6.7	5.2	5.6	4.1	2.7	3.1	2.7	4.4	2.5	26.8	4.3	2252
	21-23	47.7	4.3	4.4	3.3	3.0	1.8	2.9	2.8	3.2	1.7	24.9	3.7	2069
TOTALS		36.2	5.2	4.8	4.4	3.7	2.8	3.1	3.9	5.2	3.6	27.1	4.5	16957

FORM 0-9.5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

14806

CHANUTE AFB ILLINOIS/RANTOUL

46-70

NGV

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	34.2	2.3	3.3	3.7	3.0	2.1	2.0	2.3	3.5	1.6	41.6	5.3	1560
	03-05	35.8	3.1	4.8	2.9	2.4	1.5	2.4	2.2	3.5	1.8	39.7	5.1	1523
	06-08	18.7	5.7	5.1	3.5	2.8	2.6	2.7	4.2	6.0	6.5	42.2	6.3	2100
	09-11	16.9	5.3	4.1	3.5	2.5	2.7	3.2	4.5	7.3	5.6	44.5	6.5	2247
	12-14	13.3	5.6	4.4	3.7	3.6	2.0	3.8	5.4	7.1	6.4	44.5	6.7	2250
	15-17	14.4	5.1	4.6	3.1	3.2	2.9	2.6	5.5	7.4	5.4	44.7	6.6	2246
	18-20	26.2	4.1	4.9	3.8	4.0	1.8	3.3	3.8	4.1	2.7	41.2	5.7	2244
	21-23	31.4	2.7	3.6	3.3	2.8	2.1	3.9	2.4	3.2	2.4	42.1	5.5	2245
TOTALS		23.9	4.2	4.4	3.6	3.1	2.2	3.0	3.8	5.3	4.1	42.6	6.0	16415

**USAFETAC**FORM  
111 64

0-9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

14806 CHANUTE AFB ILLINOIS/RANDOL

46-70

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	34.0	1.9	3.0	2.7	2.8	1.2	1.8	2.1	2.5	1.7	46.2	5.6	1608
	03-05	33.9	1.5	3.0	2.0	2.2	1.0	2.0	2.6	3.6	2.0	46.2	5.7	1578
	06-08	18.3	4.3	4.6	3.3	2.6	1.9	2.8	3.0	4.5	4.2	50.4	6.6	2167
	09-11	14.9	4.2	3.4	3.1	2.1	3.0	2.5	3.4	5.4	4.5	53.5	7.0	2321
	12-14	12.4	4.1	3.6	3.6	2.6	2.8	2.8	4.1	5.1	5.0	53.9	7.2	2319
	15-17	13.4	4.4	3.7	3.5	4.0	2.2	2.8	3.9	5.3	3.8	54.1	7.1	2325
	18-20	22.3	3.0	3.4	3.2	2.4	1.9	2.5	2.6	3.8	2.4	52.5	6.5	2315
	21-23	27.8	2.4	3.1	2.6	2.3	1.5	2.1	2.7	2.8	1.8	50.7	6.1	2293
TOTALS		22.1	3.2	3.5	3.0	2.5	2.0	2.4	3.1	4.1	3.1	51.9	6.5	16926

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
FACILITY  
FACILITY (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sum of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

Note: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and Standard Deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by intervals of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION  
USAF ETAC

AIR CATERING SERVICE/MAC

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-63

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105							.1						.0
100						.8	.6						.2
95						4.2	7.7	5.6	2.5				1.6
90					3.5	20.5	27.2	23.6	10.4	.2			7.0
85				.9	12.5	41.9	57.7	51.0	26.5	4.5			16.1
80			.5	6.6	26.8	61.8	85.6	77.7	45.9	14.1	.1		26.3
75			1.8	15.3	44.4	80.4	96.3	93.8	65.3	28.0	1.2		35.3
70			5.9	28.4	60.0	91.0	99.0	98.8	80.1	45.1	4.8	.1	42.5
65	.4	.8	11.1	39.3	79.0	97.4	99.9	99.9	91.8	60.9	9.9	.5	49.0
60	1.4	3.4	20.0	54.5	89.2	99.2	100.0	100.0	96.9	75.6	20.5	3.0	55.2
55	3.7	7.3	29.0	68.8	94.3	99.9			98.9	86.5	31.5	9.0	60.6
50	9.0	13.5	40.4	82.1	98.6	100.0			99.8	93.7	46.4	15.3	66.5
45	16.8	24.3	54.6	91.5	99.4				100.0	97.6	62.1	22.9	72.4
40	27.2	37.9	69.4	96.8	100.0					99.3	75.7	37.4	78.6
35	44.6	58.5	84.3	99.9						100.0	86.5	57.2	83.9
30	67.5	79.9	93.1	100.0							94.4	77.2	92.6
25	78.9	89.6	97.1								98.8	87.6	96.0
20	87.0	94.1	99.3								99.5	93.4	97.8
15	93.1	97.0	99.6								99.8	98.0	98.9
10	97.5	99.1	100.0								99.9	99.3	99.6
5	99.2	99.9									100.0	100.0	99.9
0	100.0	100.0											100.0
MEAN	33.3	37.3	47.3	61.1	72.4	81.9	85.7	84.5	77.9	67.2	48.6	36.9	61.2
S D	11.705	11.129	13.061	11.987	10.254	5.486	6.083	6.458	9.496	11.008	12.120	11.383	21.604
TOTAL OBS	837	762	837	804	806	780	806	806	826	861	810	837	9772

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

STATION 14806 CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-63

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						1.5	3.1	1.5	1.1				5
70					4	11.4	19.9	15.9	4.1				4.2
65				1	5.8	37.3	55.6	46.9	16.7	1.4			13.5
60				2.9	17.2	61.7	83.7	75.4	33.2	5.9			23.1
55		.1	.5	8.7	33.6	82.4	96.4	92.9	50.6	15.2	1.5		31.5
50			2.6	17.0	57.1	95.3	99.9	99.4	71.4	30.4	4.4		39.6
45	.6	.3	6.2	30.8	76.6	99.1	100.0	99.9	88.9	51.7	10.1	1.8	46.9
40	1.7	1.8	15.2	50.0	91.9	99.9		100.0	97.2	72.0	19.4	3.7	54.2
35	4.1	6.8	27.2	71.1	98.1	100.0			99.5	88.3	33.3	10.4	61.2
30	7.4	11.8	36.8	81.5	99.6				99.9	91.9	42.3	15.4	65.4
25	17.4	27.0	51.1	92.4	100.0					96.4	57.5	28.0	72.4
20	35.2	48.3	73.3	96.3					100.0	99.5	78.6	46.0	81.7
15	53.4	64.4	87.8	100.0						99.9	89.6	64.0	88.2
10	65.6	75.6	93.2							100.0	95.3	76.8	92.2
5	73.6	86.2	97.0								97.9	84.7	95.1
0	84.6	91.7	98.4								99.3	90.9	97.1
-5	91.4	96.5	99.4								99.6	95.9	98.6
-10	97.0	98.3	99.9								100.0	98.9	99.5
-15	99.0	99.6	100.0									99.8	99.9
	100.0	100.0										100.0	100.0
MEAN	18.2	21.8	29.6	40.6	51.0	61.3	64.9	63.6	55.1	45.0	31.3	22.1	42.0
S D	11.84	10.77	9.845	8.912	8.251	6.955	5.440	5.772	8.652	8.894	9.991	11.393	10.800
TOTAL OBS	837	762	837	804	806	780	806	806	826	861	810	837	9772

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC  
 14806 CHANUTE AFB ILLINOIS/RANTUUL  
 STATION STATION NAME

36-63

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						1.1							1.0
85						1.8	4.2	1.9					7.7
80					1.2	15.5	21.1	17.7	5.4	1.1			50.0
75				.1	7.4	37.4	57.7	49.4	19.6	9.9			14.2
70				2.9	19.7	63.5	86.2	78.9	37.6	6.9	1.1		24.4
65			.6	10.7	30.2	82.6	98.0	95.3	59.3	20.0	.9		33.5
60		.1	3.2	21.9	60.2	94.9	100.0	99.8	78.9	38.9	4.0		41.5
55		.4	8.0	35.9	79.7	99.4		100.0	91.6	56.8	8.8	.7	48.2
50	1.0	2.4	17.0	51.9	91.1	99.9			97.6	76.1	16.8	2.7	54.5
45	3.3	5.4	27.2	71.5	97.9	100.0			99.6	89.2	32.6	8.4	61.2
40	9.0	13.1	43.7	88.6	99.6				100.0	95.6	51.1	17.7	68.3
35	22.0	32.0	63.9	97.1	100.0					99.4	70.7	30.9	76.3
30	42.2	55.1	81.6	99.5						99.9	84.8	52.7	84.6
25	60.1	71.4	91.2	100.0						100.0	92.6	70.5	90.5
20	73.0	84.8	96.4								97.5	83.3	94.6
15	82.4	91.9	98.2								99.4	90.3	96.8
10	89.6	95.1	99.4								99.9	95.5	98.3
5	95.7	98.3	100.0									98.3	99.3
0	98.4	99.3									100.0	99.6	99.8
-5	99.9	100.0										100.0	100.0
-10	100.0												100.0
MEAN	25.8	29.6	38.6	50.9	61.8	71.7	75.3	74.1	66.6	56.2	40.0	29.6	51.7
S D	11.254	10.324	10.870	9.817	8.650	7.212	5.206	5.587	8.395	9.186	10.442	10.824	19.911
TOTAL OBS	837	762	837	804	806	787	806	806	826	861	810	837	9772



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DATA PROCESSING 1/15/66  
 USAF ETAC  
 AF TAFI 1 VICI/AC

## EXTREME VALUES

ANNUAL TIME PERIOD  
 (FROM DAILY OBSERVATIONS)

1966  
 STATION

STATION NAME

30-63

YEARS

CLIMATOLOGICAL

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	24	29	32	41	50	54	55	56	21	21	26	22	26
2	25	27	31	40	49	54	55	56	21	21	26	22	26
3	26	28	32	41	50	54	55	56	21	21	26	22	26
4	27	29	33	42	51	55	56	57	22	22	27	23	27
5	28	30	34	43	52	56	57	58	23	23	28	24	28
6	29	31	35	44	53	57	58	59	24	24	29	25	29
7	30	32	36	45	54	58	59	60	25	25	30	26	30
8	31	33	37	46	55	59	60	61	26	26	31	27	31
9	32	34	38	47	56	60	61	62	27	27	32	28	32
10	33	35	39	48	57	61	62	63	28	28	33	29	33
11	34	36	40	49	58	62	63	64	29	29	34	30	34
12	35	37	41	50	59	63	64	65	30	30	35	31	35
13	36	38	42	51	60	64	65	66	31	31	36	32	36
14	37	39	43	52	61	65	66	67	32	32	37	33	37
15	38	40	44	53	62	66	67	68	33	33	38	34	38
16	39	41	45	54	63	67	68	69	34	34	39	35	39
17	40	42	46	55	64	68	69	70	35	35	40	36	40
18	41	43	47	56	65	69	70	71	36	36	41	37	41
19	42	44	48	57	66	70	71	72	37	37	42	38	42
20	43	45	49	58	67	71	72	73	38	38	43	39	43
21	44	46	50	59	68	72	73	74	39	39	44	40	44
22	45	47	51	60	69	73	74	75	40	40	45	41	45
23	46	48	52	61	70	74	75	76	41	41	46	42	46
24	47	49	53	62	71	75	76	77	42	42	47	43	47
25	48	50	54	63	72	76	77	78	43	43	48	44	48
26	49	51	55	64	73	77	78	79	44	44	49	45	49
27	50	52	56	65	74	78	79	80	45	45	50	46	50
28	51	53	57	66	75	79	80	81	46	46	51	47	51
29	52	54	58	67	76	80	81	82	47	47	52	48	52
30	53	55	59	68	77	81	82	83	48	48	53	49	53
31	54	56	60	69	78	82	83	84	49	49	54	50	54
32	55	57	61	70	79	83	84	85	50	50	55	51	55
33	56	58	62	71	80	84	85	86	51	51	56	52	56
34	57	59	63	72	81	85	86	87	52	52	57	53	57
35	58	60	64	73	82	86	87	88	53	53	58	54	58
36	59	61	65	74	83	87	88	89	54	54	59	55	59
37	60	62	66	75	84	88	89	90	55	55	60	56	60
38	61	63	67	76	85	89	90	91	56	56	61	57	61
39	62	64	68	77	86	90	91	92	57	57	62	58	62
40	63	65	69	78	87	91	92	93	58	58	63	59	63
41	64	66	70	79	88	92	93	94	59	59	64	60	64
42	65	67	71	80	89	93	94	95	60	60	65	61	65
43	66	68	72	81	90	94	95	96	61	61	66	62	66
44	67	69	73	82	91	95	96	97	62	62	67	63	67
45	68	70	74	83	92	96	97	98	63	63	68	64	68
46	69	71	75	84	93	97	98	99	64	64	69	65	69
47	70	72	76	85	94	98	99	100	65	65	70	66	70
48	71	73	77	86	95	99	100		66	66	71	67	71
49	72	74	78	87	96	100			67	67	72	68	72
50	73	75	79	88	97				68	68	73	69	73
51	74	76	80	89	98				69	69	74	70	74
52	75	77	81	90	99				70	70	75	71	75
53	76	78	82	91	100				71	71	76	72	76
54	77	79	83	92					72	72	77	73	77
55	78	80	84	93					73	73	78	74	78
56	79	81	85	94					74	74	79	75	79
57	80	82	86	95					75	75	80	76	80
58	81	83	87	96					76	76	81	77	81
59	82	84	88	97					77	77	82	78	82
60	83	85	89	98					78	78	83	79	83
61	84	86	90	99					79	79	84	80	84
62	85	87	91	100					80	80	85	81	85
63	86	88	92						81	81	86	82	86
64	87	89	93						82	82	87	83	87
65	88	90	94						83	83	88	84	88
66	89	91	95						84	84	89	85	89
67	90	92	96						85	85	90	86	90
68	91	93	97						86	86	91	87	91
69	92	94	98						87	87	92	88	92
70	93	95	99						88	88	93	89	93
71	94	96	100						89	89	94	90	94
72	95	97							90	90	95	91	95
73	96	98							91	91	96	92	96
74	97	99							92	92	97	93	97
75	98	100							93	93	98	94	98
76	99								94	94	99	95	99
77	100								95	95	100	96	100
78									96	96		97	
79									97	97		98	
80									98	98		99	
81									99	99		100	
82									100	100			
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	74.5	78.5	81.5	84.5	87.5	90.5	93.5	96.5	99.5	102.5	105.5	108.5	91.5
S D	7.105	7.293	7.478	7.664	7.850	8.036	8.222	8.408	8.594	8.780	8.966	9.152	7.105
TOTAL OBS	237	762	837	789	896	780	600	876	817	627	411	827	5739



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR EADIER SERVICE/AC

## EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

14860  
STATION

CHAMBLEE AFB ILLINOIS/KAMTJOL  
STATION NAME

30-63  
YEARS

YEARS

INCHES DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1									43	21	10	4	
2	3	2	10	21	42	40	20	24	39	20	6	2	2
3	1	17	29	26	33	52	61	59	40	32	10	6	1
4	2	4	12	21	34	49	54	52	40	27	23	-4	-4
5	-14	0	10	21	33	45	48	50	34	32	10	2	-14
6	6	1	7	35	41	55	59	24	40	32	19	15	1
7	-9	4	22	31	37	46	57	48	20	21	19	-4	-4
8	-5	-2	-7	25	34	48	34	34	31	21	20	-1	-7
9	5	-10	19	24	32	45	52	51	44	33	10	-6	-10
10	-4	-2	24	21	33	30	32	51	44	31	16	-10	-10
11	3	-4	20	29	30	42	57	49	40	17	20	1	-4
12	2	1	12	32	33	43	51	52	37	41	4	15	1
13	-4	0	1	32	41	51	59	53	40	25	24	1	-4
14	-2	7	12	24	37	48	54	34	28	11	19		-2
15	4	-5	2	20	40	47	32	47	40	30	-5	-4	-5
16	-7	-11	12	32	42	43	54	52	21	22	12	-11	-11
17	1	20	10	24	41	51	56	52	42	24	14	14	1
18	2	6	17	28	29	53	56	59	37	34	20	1	1
19	-3	11	7	23	32	49	59	54	45	24	23	15	-3
20	-4	-9	7	30	41	48	63	56	45	22	7	1	-9
21	2	11	16	20	39	43	55	50	36	37	12	12	2
22	-8	11	12	23	33	40	59	59	39	24	14	4	-8
23	4	-10	20	30	39	47	50	42	39	31	2	-10	-10
24	-14	0	19	27	35	46	50	57	40	20	3	13	-14
25	0	-1	-9	22	32	50	59	56	44	27	10	-12	-12
26	-4	2	24	22	35	46	54	55	39	30	20	-4	-4
27	-10	-1	1	27	43	50	52	50	30	22	22	-8	-10
28	-12	-12	8										
MEAN	-2.6	9	12.2	27.1	30.9	47.3	54.8	52.2	39.8	29.2	14.4	1.7	-5.5
S D	0.77	7.81	8.17	4.04	5.57	3.74	2.97	3.33	3.89	2.08	1.52	0.74	5.56
TOTAL OBS	637	772	837	780	806	780	806	806	810	837	810	837	9718

## EXTREME VALUES

14000 STATION      CHAN 12 AIR ILLUMIS/RANFOL      STATION NAME

2000

YEARS

FILE ALGUEFS PAGE 1  
BASED ON LESS THAN FULL THIS/

[illegible]

USAF ETAC FORM 0 88 5 (OLI)



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

ALL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
42/ 41	.2	.8	.8	.5	.2	.0	.0											7275	7275	8194	8972																		
40/ 39	.3	.9	1.0	.4	.1	.0	.0											7893	7894	8470	9249																		
38/ 37	.3	1.1	.7	.4	.1	.0												8192	8193	8757	8476																		
36/ 35	.4	1.7	1.1	.3	.0	.0												9964	9964	9734	9343																		
34/ 33	.5	2.0	1.0	.2	.0	.0												10508	10512	10831	10079																		
32/ 31	.6	2.0	.9	.2	.0													10241	10242	12178	12127																		
30/ 29	.4	1.9	.8	.1	.0													9058	9060	10226	11804																		
28/ 27	.2	1.6	.5	.0	.0													7209	7218	9809	8391																		
26/ 25	.3	1.4	.4	.0	.0													6083	6088	7597	10239																		
24/ 23	.3	1.2	.3	.0														4828	4832	6093	8995																		
22/ 21	.2	1.1	.2	.0														4045	4049	4751	7588																		
20/ 19	.2	.9	.1	.0														3525	3533	4360	4770																		
18/ 17	.2	.7	.1	.0														2603	2613	3272	5525																		
16/ 15	.2	.6	.1															2281	2283	2521	4612																		
14/ 13	.1	.5	.0															1885	1888	2262	3777																		
12/ 11	.1	.5	.0															1729	1734	1853	2964																		
10/ 9	.2	.4	.0															1511	1513	1782	2182																		
8/ 7	.1	.3	.0															1173	1185	1335	2322																		
6/ 5	.1	.2	.0															945	953	1116	1983																		
4/ 3	.1	.2																813	821	889	1613																		
2/ 1	.1	.1																675	678	733	1470																		
0/ -1	.1	.1																499	502	584	1193																		
-2/ -3	.1	.1																352	352	385	691																		
-4/ -5	.0	.0																224	230	268	908																		
-6/ -7	.0	.0																130	133	145	647																		
-8/ -9	.0	.0																93	97	103	498																		
-10/-11	.0	.0																77	77	84	329																		
-12/-13	.0	.0																41	41	44	264																		
-14/-15	.0	.0																4	4	14	175																		
-16/-17																					159																		
-18/-19																					118																		
-20/-21																					78																		
-22/-23																					81																		
-24/-25																					29																		
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature													
Ref. Hum.																										$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total	
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26 S (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 26-70  
STATION STATION NAME

ALL  
MONTH

PAGE 3

ALL

HOURS (L, S, T.)

[illegible]

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806  
STATIONCHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME37-70  
YEARSJAN  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
68/ 67	.0		.0	.0														3	3	1	1			
66/ 65		.0	.0	.0														12	12					
64/ 63		.0	.0	.0														15	15	8	3			
62/ 61		.1	.1	.0														28	28	8	5			
60/ 59	.0	.1	.1	.1														59	59	29	17			
58/ 57	.1	.1	.1	.0	.0	.0												72	72	62	45			
56/ 55	.0	.1	.1	.0	.0	.0												72	72	72	64			
54/ 53	.1	.2	.1	.0	.0	.0												92	92	74	53			
52/ 51	.2	.3	.1	.1	.1	.0												153	153	127	120			
50/ 49	.3	.4	.1	.1	.1	.0												233	233	165	160			
48/ 47	.3	.3	.1	.1	.1	.0	.0											216	216	174	161			
46/ 45	.3	.4	.3	.2	.1	.0												300	300	199	161			
44/ 43	.3	.5	.4	.3	.1	.0												403	403	266	177			
42/ 41	.5	.7	.5	.3	.1	.0												509	509	357	263			
40/ 39	.9	.9	.8	.3	.1	.0												746	747	569	387			
38/ 37	.8	1.6	1.3	.4	.0													1000	1000	708	501			
36/ 35	1.2	2.9	1.4	.3	.0													1389	1389	1090	647			
34/ 33	1.7	4.2	1.6	.2	.0													1831	1833	1569	1083			
32/ 31	2.2	4.4	1.5	.1	.0													1987	1987	2145	1566			
30/ 29	1.4	5.3	1.4	.1	.0													1966	1967	1896	1649			
28/ 27	.9	4.7	.8	.1														1552	1553	1953	1210			
26/ 25	1.2	4.2	.8	.1														1473	1474	1623	1649			
24/ 23	1.0	3.7	.6	.0														1271	1272	1402	1646			
22/ 21	.7	3.5	.5	.0														1120	1120	1193	1468			
20/ 19	.7	3.2	.4	.0														1023	1023	1143	950			
18/ 17	.7	2.9	.4	.0														874	876	994	1160			
16/ 15	.6	2.6	.2															809	810	847	949			
14/ 13	.7	2.1	.2															700	703	850	955			
12/ 11	.6	2.5	.2															782	784	739	786			
10/ 9	.7	2.1	.1															691	694	802	711			
8/ 7	.6	1.8	.0															568	571	629	762			
6/ 5	.7	1.2	.0															440	443	547	737			
4/ 3	.5	1.1																363	364	385	672			
2/ 1	.5	.7																293	295	327	616			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC  
F334  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS                      JAN MONTH                     

PAGE 2 ALL  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

37-70

YEARS

FEB  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Q-26-5 (Q1 A)

FORM

**JSAFETAC**

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
FEB  
MONTH

PAGE 2 ALL  
HOURS (L.S.)

[illegible]

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
FORM JUL 64

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806  
STATIONCHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME37-70  
YEARSMAR  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
82/ 81									.0	.0	.0	.0	.0					1	1						
80/ 79									.0	.0	.0	.0	.0	.0				15	15						
78/ 77									.0	.0	.0	.0	.0					29	29						
76/ 75						.0	.0	.0	.0	.0	.0	.0						35	35						
74/ 73				.0	.0	.0	.1	.1	.0	.1	.0		.0					75	75						
72/ 71				.0	.0	.1	.1	.1	.0	.0	.0							79	79						
70/ 69	.0		.0	.1	.1	.1	.1	.1	.1	.0								122	122	2	1				
68/ 67	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0							145	145	7	1				
66/ 65	.0	.0	.1	.1	.1	.1	.1	.1	.0									180	180	44	6				
64/ 63		.1	.2	.1	.1	.1	.2	.1	.0	.0								242	242	92	22				
62/ 61	.0	.3	.2	.1	.1	.2	.1	.1	.0									301	301	146	56				
60/ 59	.1	.4	.3	.2	.2	.3	.2	.1	.0	.0								391	393	264	141				
58/ 57	.1	.5	.2	.3	.4	.2	.2	.1	.0									476	476	302	204				
56/ 55	.2	.6	.4	.3	.3	.3	.2	.0	.0									541	541	402	272				
54/ 53	.3	.8	.4	.4	.3	.3	.1	.0										632	632	481	318				
52/ 51	.2	.8	.3	.5	.4	.4	.1	.0										679	679	643	387				
50/ 49	.4	.8	.6	.6	.3	.3	.1	.0										801	801	688	494				
48/ 47	.3	1.0	.9	.7	.5	.3	.0											891	891	667	495				
46/ 45	.3	1.1	1.1	1.0	.6	.3	.0											1055	1055	861	587				
44/ 43	.4	1.4	1.2	1.1	.6	.1	.0											1150	1150	984	734				
42/ 41	.5	1.5	1.5	1.2	.5	.1	.0											1258	1258	1137	813				
40/ 39	.5	1.7	2.0	1.2	.3	.0	.0											1434	1434	1275	948				
38/ 37	.6	2.0	2.1	1.3	.2	.0												1495	1495	1500	1030				
36/ 35	.7	3.4	2.7	1.2	.1	.0												1938	1938	1692	1159				
34/ 33	.7	4.0	2.5	.5	.1													1863	1863	1955	1347				
32/ 31	.8	4.2	2.3	.4	.1													1861	1861	2316	1856				
30/ 29	.5	3.7	2.0	.2	.0													1544	1544	1944	1994				
28/ 27	.5	3.0	1.4	.1														1208	1208	1703	1514				
26/ 25	.4	2.6	.8	.1														921	921	1318	1838				
24/ 23	.3	1.8	.6	.0														662	663	975	1702				
22/ 21	.3	1.7	.3	.0														547	547	692	1359				
20/ 19	.3	1.0	.2	.0														380	380	583	854				
18/ 17	.2	.7	.1															249	249	351	978				
16/ 15	.2	.5	.1															182	182	245	748				
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature							Total		
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26.5 (OL A)  
JUL 64

USAFETAC

3

YEARS

MAR  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC FORM 0-26-5 (OLA)

3

## YEARS

37-70

ΔΡΘ

PAGE 1

ALL

HOURS: L - S - T - 1

[illegible]

USAFETAC FORM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

APR

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC FORM 111-04

## PSYCHROMETRIC SUMMARY

37-70

YEARS

DAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. )

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
94/ 93												.0	.0	.0				12	12														
92/ 91									.0	.0	.0	.0	.1	.0				46	46														
90/ 89								.0	.0	.1	.1	.1	.1	.0				88	88														
88/ 87						.0	.0	.0	.2	.2	.1	.1	.0	.0	.0			195	195														
86/ 85					.0	.0	.1	.2	.2	.2	.2	.1	.0	.0	.0			262	262														
84/ 83				.0	.0	.1	.2	.3	.3	.2	.2	.1	.0	.0	.0			345	345														
82/ 81				.0	.0	.2	.3	.4	.3	.3	.3	.2	.2	.0	.0			465	466														
80/ 79		.0	.0	.0	.2	.4	.5	.4	.3	.3	.2	.2	.1	.0				650	650	2													
78/ 77		.0	.0	.1	.5	.5	.6	.4	.3	.3	.3	.1	.0					742	742	12	1												
76/ 75		.0	.1	.4	.6	.5	.5	.3	.3	.4	.3	.1	.0					860	860	52	9												
74/ 73		.0	.4	.6	.5	.5	.5	.5	.4	.4	.2	.1						960	960	104	24												
72/ 71	.0	.2	.6	.7	.7	.4	.6	.4	.4	.3	.2	.0						1064	1064	447	49												
70/ 69	.0	.4	1.0	.9	.6	.6	.5	.5	.4	.2	.1	.0						1243	1243	845	184												
68/ 67	.1	.9	1.2	.8	.7	.7	.6	.6	.5	.3	.0							1514	1514	1137	511												
66/ 65	.2	1.3	1.2	.9	.8	.7	.7	.5	.3	.1	.0							1575	1575	1452	875												
64/ 63	.3	1.4	1.3	.9	.9	.7	.5	.4	.2	.1								1573	1573	1519	1195												
62/ 61	.3	1.6	1.0	1.0	.8	.7	.5	.3	.1	.0								1473	1473	1599	1377												
60/ 59	.4	1.5	1.2	1.2	1.1	.7	.5	.2	.1									1576	1576	1835	1358												
58/ 57	.4	1.5	1.2	1.0	.8	.6	.3	.1	.0									1416	1416	1816	1429												
56/ 55	.3	1.9	1.4	1.2	.7	.4	.2	.1	.0									1454	1454	1904	1409												
54/ 53	.2	1.5	1.3	1.2	.6	.3	.2	.0	.0									1291	1291	1950	1484												
52/ 51	.2	1.4	1.2	.9	.4	.3	.1	.0										1093	1094	1764	1606												
50/ 49	.2	1.4	1.4	.7	.4	.1	.0											1005	1005	1686	1557												
48/ 47	.2	1.0	1.1	.5	.3	.1	.0											750	750	1446	1493												
46/ 45	.1	1.0	.9	.4	.2	.0												619	619	1150	1468												
44/ 43	.1	.9	.7	.3	.1	.0												490	490	860	1461												
42/ 41	.0	.6	.5	.2	.1													342	342	767	1365												
40/ 39	.0	.4	.4	.1	.0	.0												239	239	506	1179												
38/ 37	.1	.3	.3	.1																													

USAFETAC FORM 0265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

MAY  
MONTH

ALL  
HOURS (L. S. T)

[illegible]

USAFFTAC FORM 0265 (OL A) REVISE : PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

June  
MONTH

37-79

YEARS

ALL

HOURS 11.5.1.

USAFETAC FORM 0-25-5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

JUN  
NORTH

PAGE 2

ALL

[illegible]

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806  
STATION

CHANUTE AFB, ILLINOIS/SAINTOUL

36-70  
YEARSJUL  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
110/109																																.0	.0	2	2		
108/107																																.0	.0	6	6		
106/105																																.0	.0	4	4		
104/103																																.0	.0	26	26		
102/101																																.1	.0	32	32		
100/99																																.0	.0	43	43		
98/97																																.0	.0	84	84		
96/95																																.0	.0	182	182		
94/93																																.0	.0	276	276		
92/91																																.0	.0	422	422		
90/89																																.0	.0	754	754		
88/87																																.0	.0	994	994		
86/85																																		1319	1319		
84/83																																		1523	1523	10	
82/81																																		1627	1628	43	10
80/79																																		1885	1885	277	19
78/77																																		1865	1865	859	81
76/75																																		2047	2047	1687	397
74/73																																		1969	1969	2335	1155
72/71																																		2100	2100	2802	2101
70/69																																		2013	2013	3253	2719
68/67																																		1500	1500	2821	2545
66/65																																		1153	1153	2711	2358
64/63																																		814	814	2162	2262
62/61																																		575	575	1846	2059
60/59																																		382	382	1418	1991
58/57																																		243	243	787	1603
56/55																																		114	114	506	1242
54/53																																		49	49	317	1066
52/51																																		32	32	119	901
50/49																																		7	7	52	584
48/47																																				22	418
46/45																																				5	236
44/43																																					119
Element (Y)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$			$s^2$			No. Obs.			Mean No. of Hours with Temperature											Total										
P-H. Hum.																$\leq 0$ F																					
Dry Bulb																$\leq 32$ F																					
Wet Bulb																$\leq 67$ F																					
Dew Point																$\leq 73$ F																					
																$\leq 80$ F																					
																$\leq 93$ F																					

USAF ETAC FORM 0-25-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

36-70

JUL  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

36-70

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B., W.B.	Dry Bulb	Wet Bulb	Dew Point			
102/101														.0				2	2					
100/ 99										.0		.0	.0	.0	.0			15	15					
98/ 97										.0	.0	.1	.0	.0	.0			36	36					
96/ 95								.0	.1	.2	.2	.1	.1	.0	.0			147	147					
94/ 93						.0	.0	.1	.2	.3	.2	.1	.0	.0				217	217					
92/ 91					.0	.0	.1	.3	.5	.4	.1	.1	.0					382	382					
90/ 89					.0	.2	.4	.6	.6	.3	.2	.1	.0					618	618					
88/ 87				.0	.2	.4	.8	.7	.6	.3	.2	.1	.1					789	789					
86/ 85			.0	.1	.3	.8	1.0	.9	.6	.4	.2	.1	.0					1070	1070					
84/ 83		.0	.0	.3	.7	1.0	.9	.9	.7	.4	.2	.0						1232	1232	2				
82/ 81		.0	.2	.6	1.1	1.1	1.0	.9	.7	.4	.2							1461	1461					
80/ 79	.0	.1	.5	1.0	1.2	1.1	.9	.9	.6	.3	.1							1637	1637	245	19			
78/ 77		.3	1.1	1.4	1.2	.8	.9	.6	.5	.1	.0	.0						1654	1654	728	127			
76/ 75	.0	.9	1.7	1.4	1.1	.9	.9	.7	.3	.2	.0							1979	1979	1529	362			
74/ 73	.1	1.6	2.0	1.5	1.1	.8	.7	.3	.2	.1	.0							2021	2021	2086	1028			
72/ 71	.3	2.4	2.0	1.4	1.0	.7	.4	.3	.1	.0	.0							2057	2058	2636	1836			
70/ 69	.4	2.4	2.0	1.4	.9	.6	.3	.2	.0	.0	.0							1994	1994	2899	2531			
68/ 67	.5	2.4	2.0	1.3	.7	.4	.2	.0	.0									1787	1787	2718	2660			
66/ 65	.3	1.8	2.1	1.2	.5	.2	.1	.0										1503	1503	2713	2360			
64/ 63	.2	1.4	1.7	.8	.3	.1	.0	.0										1100	1100	2328	2240			
62/ 61	.1	1.4	1.0	.6	.2	.0	.0	.0										808	808	1933	2135			
60/ 59	.1	1.1	.9	.5	.1	.0	.0											661	661	1625	2064			
58/ 57	.1	.7	.7	.2	.0	.0												411	411	1068	1819			
56/ 55	.0	.5	.5	.1	.0													262	262	682	1624			
54/ 53	.0	.2	.2	.0														124	124	431	1124			
52/ 51	.0	.1	.1	.0														52	52	248	815			
50/ 49		.1	.0	.0														24	24	87	582			
48/ 47		.0	.0															9	9	36	326			
46/ 45		.0		.0														3	3	17	223			
44/ 42																								

USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70

AUG  
MONTH

PAGE 2

ALL

ALL  
HOURS (L. S. T.)

[illegible]





3

**YEARS**

36-70

SEP  
MONTH

ALL

HOURS (L. S. T.)

USAFETAC  
Form 0-265 (PLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE APB ILLINOIS/RANTOUL

36-70

OCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point				
92/ 91										.0									1	1				
90/ 89									.0	.0									6	6				
88/ 87								.0	.0	.0	.0	.0	.0	.0	.0				24	24				
86/ 85								.0	.1	.1	.1	.1	.0	.0	.0	.0			96	96				
84/ 83							.0	.1	.1	.1	.1	.1	.0	.0	.0				150	150				
82/ 81					.0	.1	.1	.1	.2	.1	.2	.0	.0						199	199				
80/ 79			.0	.0	.0	.1	.1	.2	.2	.2	.2	.1	.0						282	282				
78/ 77		.0		.0	.1	.2	.2	.3	.2	.3	.1	.1	.0	.0					385	385				
76/ 75		.0	.1	.1	.2	.2	.3	.3	.3	.2	.1	.0	.0						458	458	11			
74/ 73		.0	.1	.2	.2	.2	.4	.3	.3	.3	.0	.0							491	491	40			
72/ 71		.2	.2	.3	.3	.3	.3	.4	.4	.2	.1	.0							661	661	127			
70/ 69	.0	.4	.3	.4	.3	.3	.4	.5	.5	.1	.0	.0							820	820	281			
68/ 67	.1	.5	.5	.4	.4	.4	.5	.6	.3	.1	.0								965	965	416			
66/ 65	.2	.8	.5	.6	.5	.5	.7	.5	.3	.1	.0								1142	1143	659			
64/ 63	.2	.9	.8	.9	.6	.7	.6	.4	.2	.0									1228	1228	912			
62/ 61	.2	1.2	.6	.7	.6	.8	.6	.4	.1	.0									1296	1296	1089			
60/ 59	.2	1.5	.8	.8	.8	1.0	.8	.3	.1										1556	1556	1259			
58/ 57	.3	1.3	.9	1.0	1.1	.8	.6	.2	.0										1486	1486	1379			
56/ 55	.3	1.4	1.2	1.2	1.1	.9	.4	.1											1594	1594	1551			
54/ 53	.3	1.4	1.3	1.3	1.0	.7	.2	.0											1512	1512	1680			
52/ 51	.2	1.3	1.3	1.4	.9	.5	.1	.0											1441	1442	1701			
50/ 49	.3	1.4	1.9	1.4	.9	.4	.1	.0											1566	1566	1839			
48/ 47	.1	1.5	1.8	1.3	.7	.3	.0												1404	1405	1993			
46/ 45	.2	1.8	1.8	1.2	.5	.2	.0												1384	1385	1905			
44/ 43	.2	1.4	1.7	.7	.4	.1	.0												1089	1089	1794			
42/ 41	.1	1.2	1.4	.7	.2	.0	.0												917	917	1450			
40/ 39	.1	1.2	1.3	.4	.1	.0													750	750	1264			
38/ 37	.1	1.1	.8	.4	.1	.0													596	596	1025			
36/ 35	.1	.8	.6	.2	.0	.0													397	397	817			
34/ 33	.0	.5	.5	.1	.0	.0													279	279	475			
32/ 31	.0	.5	.3	.0	.0														202	202	375			
30/ 29	.1	.3	.1	.0	.0														111	111	302			
28/ 27	.0	.1	.1	.0															53	53	137			
26/ 25	.0	.1	.0																21	21	52			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

36-70

DCT

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (LA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

NOV  
MONTH

PAGE 1

ALL  
HOURS (L. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
80/ 79								.0											6	6							
78/ 77						.0	.0	.0	.0										7	7							
76/ 75					.0	.0	.0	.0	.0										14	14							
74/ 73				.0	.0	.0	.0	.0	.0	.0									40	40							
72/ 71			.0	.0	.1	.0	.1	.0	.0		.0								57	57							
70/ 69		.0	.1	.1	.1	.1	.1	.1	.0	.0	.0								133	133							
68/ 67		.0	.1	.1	.2	.1	.1	.1	.0	.0	.0								151	151	20	2					
66/ 65	.0	.0	.2	.2	.1	.1	.1	.1	.0	.0	.0								179	179	48	10					
64/ 63	.1	.2	.3	.1	.2	.1	.1	.1	.0	.0									275	275	94	46					
62/ 61	.1	.4	.3	.2	.2	.2	.1	.1	.0	.0									393	393	218	103					
60/ 59	.1	.5	.3	.3	.3	.3	.2	.1	.0										490	490	337	213					
58/ 57	.3	.6	.4	.3	.4	.3	.1	.1											569	569	395	319					
56/ 55	.3	.7	.4	.5	.5	.3	.1	.1	.0										674	674	457	360					
54/ 53	.2	.6	.5	.5	.6	.3	.2	.0											746	747	569	346					
52/ 51	.4	.8	.6	.6	.6	.3	.1	.0											822	822	562	467					
50/ 49	.3	1.0	1.0	.9	.6	.3	.1												1005	1005	764	489					
48/ 47	.3	1.4	1.3	.8	.7	.3	.0												1118	1118	832	540					
46/ 45	.4	1.8	1.9	1.2	.7	.2	.0												1353	1353	1212	712					
44/ 43	.4	1.7	1.8	1.3	.5	.1	.0												1382	1382	1289	856					
42/ 41	.6	1.8	2.0	1.2	.4	.1													1457	1457	1398	1072					
40/ 39	.4	2.1	2.5	1.3	.4	.0													1569	1569	1537	1204					
38/ 37	.3	2.5	2.2	1.2	.1														1514	1514	1683	1136					
36/ 35	.3	3.7	2.7	.8	.0														1792	1792	1754	1400					
34/ 33	.3	3.5	2.3	.3	.0														1591	1591	1923	1598					
32/ 31	.7	3.6	2.2	.2															1570	1571	2000	1965					
30/ 29	.9	3.0	1.9	.2	.0														1207	1207	1634	2018					
28/ 27	.5	2.4	.8	.1															874	874	1404	1352					
26/ 25	.4	2.1	.7	.0															767	767	962	1702					
24/ 23	.2	1.5	.4																501	504	693	1386					
22/ 21	.1	1.4	.2																401	405	553	1081					
20/ 19	.2	1.0	.1																288	289	445	645					
18/ 17	.1	.5	.1																162	164	230	673					
16/ 15	.1	.3	.0																148	148	149	536					
14/ 13	.1	.3	.0																101	101	140	419					
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$				$s_x$				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

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YEARS

\_\_\_\_\_  
NDV  
MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC FROM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHAN TE APR ILLINOIS/RANTOUL 36-70

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bu	Wet Bulb		Dew Point		
70/ 69			.0	.0	.0				.0											5	5			
68/ 67			.0	.0	.0															8	8			
66/ 65			.0	.0	.0		.0													6	6	3		
64/ 63	.0	.0	.0	.0	.0	.0														27	27	7		
62/ 61		.1	.1	.0	.0	.0			.0	.0										54	54	20		
60/ 59	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0										92	92	43		
58/ 57	.0	.3	.1	.0	.1	.1	.0	.0	.0											155	158	97		
56/ 55	.1	.4	.1	.1	.1	.1	.0	.0												197	197	113		
54/ 53	.1	.5	.1	.1	.1	.1	.0													240	240	134		
52/ 51	.2	.4	.1	.2	.1	.1														269	269	120		
50/ 49	.2	.5	.3	.3	.2	.1														375	375	233		
48/ 47	.3	.7	.5	.3	.2	.0														477	478	324		
46/ 45	.3	.8	.5	.4	.1	.0														496	496	447		
44/ 43	.3	.7	.6	.4	.1	.0														526	526	478		
42/ 41	.4	1.1	.9	.4	.1	.0														713	713	353		
40/ 39	.6	1.4	1.4	.5	.1	.0														954	954	743		
38/ 37	.9	2.1	1.3	.6	.1															1234	1235	1008		
36/ 35	1.4	3.9	1.9	.4	.1	.0														1859	1859	1448		
34/ 33	1.5	4.7	2.0	.3	.1															2100	2102	1802		
32/ 31	1.5	4.8	2.1	.4	.0															2157	2158	2310		
30/ 2	1.1	5.0	2.0	.3	.0															2053	2054	1976		
28/ 27	1.1	4.6	1.4	.1	.0															1758	1764	2235		
26/ 25	1.1	4.0	1.1	.0																1537	1540	1855		
24/ 23	.9	3.6	.6	.0																1236	1236	1553		
22/ 21	.6	3.1	.4	.0																1029	1029	1193		
20/ 19	.7	2.8	.3	.0																944	950	1123		
18/ 17	.6	2.1	.3																	723	729	869		
16/ 15	.5	1.5	.1																	615	618	67		
14/ 13	.5	1.5	.0																	482	482	597		
12/ 11	.3	1.3	.0																	393	396	432		
10/ 9	.5	.9	.0																	352	353	420		
8/ 7	.3	.8																		275	281	303		
6/ 5	.4	.6																		252	256	282		
4/ 3	.4	.5																		216	221	237		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\geq 67 F$		$\geq 73 F$		$\geq 80 F$		$\geq 93 F$		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINDIS/RANTOUL STATION NAME 36-70

DEC

PAGE 2 ALL  
HOURS (L. S. T.)

[illegible]

3

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JAN  
MONTH

0000-0200  
HOURS (L. S. I.)

USAFETAC \* NEW 0 26 5 0 0 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

## YEARS

37-64

JAN  
MONTH

PAGE 2 0000-0200  
HOURS IL. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Gew Point														
-6/-7	.1	.2																	7	8	30														
-8/-9	.1	.0																	7	8	33														
-10/-11		.2																	6	5	17														
-12/-13	.1	.0																	4	5	19														
-14/-15																					9														
-16/-17																					8														
-18/-19																					7														
-20/-21																					6														
-22/-23																					6														
-24/-25																					4														
-26/-27																					2														
-32/-33																					1														
-34/-35																					1														
-36/-37																					1														
TOTAL	29.0	63.0	7.6	.4	.1														2540	2542	2540														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum	17470373	208345	82.2	11.813	2534	$\leq 0^\circ\text{F}$	$-32^\circ\text{F}$	$+67^\circ\text{F}$	$+73^\circ\text{F}$	$+80^\circ\text{F}$	$+93^\circ\text{F}$	Total
Dry Bulb	1839814	60890	24.0	12.249	2542	3.7	70.8					93
Wet Bulb	1700498	58190	22.9	12.029	2540	4.1	75.8					
Dew Point	1454863	48793	19.2	14.277	2540	11.1	72.9					

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806  
STATIONCHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

17-63

YEARS

JAN  
MONTHPAGE 1 0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 61			.1															2	2					
60/ 59		.2																4	4	2				
58/ 57	.1																	3	3	7	6			
56/ 55		.2																6	6	2	5			
54/ 53	.2	.1																7	7	8	6			
52/ 51	.2	.2																11	11	13	11			
50/ 49	.4	.2	.0															15	15	14	14			
48/ 47	.4	.2	.1															16	16	11	13			
46/ 45	.1	.3	.1	.1														15	15	12	8			
44/ 43	.3	.3	.0	.0														18	18	20	13			
42/ 41	.4	.8	.1															33	33	21	27			
40/ 39	.7	.4	.3	.1														37	37	39	26			
38/ 37	.6	1.1	.5	.1														56	56	27	32			
36/ 35	1.7	2.7	.8	.1														132	132	97	62			
34/ 33	2.2	3.9	.6	.0														171	171	150	112			
32/ 31	3.5	3.9	.5															200	200	220	157			
30/ 29	2.2	5.5	.7															209	209	170	175			
28/ 27	2.0	4.7	.4															178	178	214	125			
26/ 25	1.9	4.9	.2															176	176	173	160			
24/ 23	2.0	4.0	.2															153	153	169	161			
22/ 21	.9	4.4	.0															135	135	139	173			
20/ 19	1.6	3.3	.0															124	124	141	85			
18/ 17	1.3	2.6	.1															100	100	110	158			
16/ 15	1.0	2.1	.0															103	103	91	105			
14/ 13	.9	2.2	.0															79	79	104	111			
12/ 11	1.0	2.3																82	82	76	83			
10/ 9	1.0	1.9																73	73	83	80			
8/ 7	.8	2.0																70	70	63	84			
6/ 5	1.2	.9																51	51	71	58			
4/ 3	.6	1.4																51	51	44	65			
2/ 1	1.3	.8																53	53	57	55			
0/ -1	1.4	.8																55	55	59	63			
-2/ -3	.6	.7																32	32	31	43			
-4/ -5	.4	.3																19	19	27	63			
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ X			No. Obs.			Mean No. of Hours with Temperature							Total	
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

3

## YEARS

37-63

JAN  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

JAN  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21	22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point								
-4/-5	.6	.6																	37	38	40	65								
-6/-7	.4	.3																	20	20	24	57								
-8/-9	.5	.2																	19	19	18	39								
-10/-11	.2	.5																	20	20	21	38								
-12/-13	.2	.1																	10	10	11	22								
-14/-15	.0	.1																	3	3	5	17								
-16/-17																						12								
-18/-19																						14								
-20/-21																						14								
-22/-23																						24								
-24/-25																						4								
-26/-27																						3								
-28/-29																						1								
-30/-31																						1								
-36/-37																						4								
-38/-39																						1								
-40/-41																						2								
TOTAL	32.1	62.6	5.1	.2															3026	3038		3026								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USA.FETAC FORM 0-265 (OLA)

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

YEARS

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67			.0															1	1		
66/ 65		.0	.0															2	2		
64/ 63			.0															1	1	2	
62/ 61		.1	.0															4	4	2	2
60/ 59		.1	.1	.0														7	7	4	4
58/ 57	.1	.2	.1															11	11	9	9
56/ 55	.1	.3	.1															14	14	11	8
54/ 53	.1	.2	.1															12	12	10	5
52/ 51	.2	.2	.1	.0														15	15	19	18
50/ 49	.2	.3	.1	.1														24	24	16	20
48/ 47	.3	.3	.1	.1	.1													28	28	20	16
46/ 45	.2	.5	.3	.2														37	37	24	22
44/ 43	.5	.5	.3	.6	.1	.0												63	63	41	31
42/ 41	.4	.3	.7	.4	.1													59	59	41	29
40/ 39	1.2	.7	1.2	.5	.1													114	114	71	57
38/ 37	1.1	1.9	2.0	.4	.1													173	173	111	67
36/ 35	1.1	2.5	1.8	.4	.1													187	187	156	74
34/ 33	1.3	3.6	1.9	.3														221	221	204	130
32/ 31	1.7	4.6	1.7	.0	.0													254	254	279	209
30/ 29	.8	5.8	1.3	.1														252	252	249	214
28/ 27	.6	4.6	.8	.1														191	191	248	145
26/ 25	.9	4.7	.9															205	205	200	229
24/ 23	.8	3.7	.9	.0														173	173	203	234
22/ 21	.6	3.8	.3	.0														153	153	162	170
20/ 19	.5	3.0	.5															127	127	149	139
18/ 17	.3	2.4	.6	.0														107	108	120	148
16/ 15	.3	3.0	.3															114	114	108	120
14/ 13	.5	2.1	.2															87	87	119	121
12/ 11	.4	2.0	.1															106	107	104	94
10/ 9	.6	2.4	.0															95	96	108	101
8/ 7	.5	1.8	.1															75	75	82	104
6/ 5	.6	1.0	.0															52	52	75	91
4/ 3	.5	1.2																55	55	55	105
2/ 1	.3	.8																36	36	38	100
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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37-70

YEARS

JAN  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (CLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 27-70

YEARS

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67				.0														1	1					
66/ 65		.1	.1	.1														7	7					
64/ 63		.0	.1	.1														6	6	3	2			
62/ 61		.1	.1	.1														7	7	3	1			
60/ 59		.1	.3	.0														12	12	11	4			
58/ 57	.0	.1	.2		.1	.0												13	13	8	8			
56/ 55	.1	.2	.2	.0		.1												20	20	17	13			
54/ 53	.1	.2	.1	.1	.2	.0												27	27	15	13			
52/ 51	.3	.3	.2	.2	.4	.1												44	44	29	28			
50/ 49	.2	.2	.1	.3	.3	.1												50	50	24	25			
48/ 47	.1	.5	.3	.3	.3	.2	.1											61	61	33	22			
46/ 45	.1	.5	.7	.6	.5	.3												85	85	42	25			
44/ 43	.3	.5	.9	1.1	.4	.1												105	105	63	32			
42/ 41	.5	.8	.8	.9	.5	.0												111	111	83	43			
40/ 39	1.0	1.3	1.5	.9	.3	.1												162	162	119	70			
38/ 37	.8	1.6	1.6	1.4	.1													172	172	161	95			
36/ 35	.7	2.9	2.4	.8	.1													219	219	193	105			
34/ 33	1.3	3.7	2.0	.5	.1													239	239	225	164			
32/ 31	1.6	3.4	2.2	.4	.0													243	243	301	216			
30/ 29	.4	3.7	2.7	.2														222	222	208	205			
28/ 27	.3	4.1	1.8	.3														206	206	249	153			
26/ 25	.8	2.6	1.6	.1														159	160	224	216			
24/ 23	.4	3.1	1.6	.2														169	169	152	208			
22/ 21	.1	2.4	1.2	.0														119	119	152	205			
20/ 19	.1	2.5	.9	.0														114	114	135	124			
18/ 17	.2	2.5	.9															114	114	116	150			
16/ 15	.1	2.2	.4															85	85	129	117			
14/ 13	.1	1.9	.3															76	76	88	110			
12/ 11	.3	2.2	.3															90	90	92	92			
10/ 9	.3	1.5	.2															61	61	92	80			
8/ 7	.3	1.5	.1															58	58	58	131			
6/ 5	.1	.8	.0															31	31	50	116			
4/ 3		.6																20	20	21	94			
2/ 1		.6																18	18	23	58			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		S <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum											≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

JAN  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26 5 (UL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70

YEARS

JAN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65		.1																3	3					
64/ 63			.1	.1														6	6	3	1			
62/ 61		.0	.1	.0														6	6	2	2			
60/ 59		.1	.2	.0														11	11	4	3			
58/ 57	.0	.1	.2	.1		.0												13	13	12	6			
56/ 55	.0	.1	.1	.0	.0	.0												12	12	13	8			
54/ 53	.1	.3	.1	.0	.1													20	20	16	17			
52/ 51	.2	.5	.1	.2	.1	.0												35	35	21	17			
50/ 49	.3	.5	.3	.2	.1	.0												45	45	34	31			
48/ 47	.2	.3	.3	.3	.2	.0	.0											42	42	19	27			
46/ 45	.4	.3	.6	.6	.3	.1												72	72	48	26			
44/ 43	.4	.6	.8	.5	.3	.1												85	85	49	26			
42/ 41	.6	1.0	1.0	.8	.3	.1												115	115	79	48			
40/ 39	.8	1.3	1.6	.6	.3	.0												148	148	102	64			
38/ 37	.7	2.2	2.2	1.0	.1													197	197	144	92			
36/ 35	.9	3.4	1.9	.7	.0													219	219	190	106			
34/ 33	1.7	3.9	2.4	.6														270	271	261	171			
32/ 31	1.7	3.8	2.0	.3														244	244	293	223			
30/ 29	.7	4.9	2.4	.3	.0													263	263	262	236			
28/ 27	.3	3.7	1.2	.1														168	168	241	164			
26/ 25	.7	3.4	1.5	.3														184	184	204	221			
24/ 23	.1	3.0	1.1	.1														138	138	152	213			
22/ 21	.4	2.8	1.1	.0														139	139	147	174			
20/ 19	.3	2.6	.8															116	116	155	132			
18/ 17	.4	2.3	.9	.0														116	116	115	129			
16/ 15	.1	2.6	.3															94	94	100	124			
14/ 13	.3	2.0	.3															82	82	114	122			
12/ 11	.3	2.1	.3															86	86	87	96			
10/ 9	.3	1.6	.3															68	68	92	82			
8/ 7	.3	1.6	.0															59	59	67	101			
6/ 5	.1	.8																27	27	39	115			
4/ 3	.1	.8																27	27	29	83			
2/ 1	.1	.3																13	13	21	70			
0/ -1	.1	.3																15	15	15	53			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. - W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
68/67	.0																	1	1	1	1														
62/61		.1																3	3																
60/59		.1			.2													8	8	3	3														
58/57	.1	.2	.2															13	13	7	4														
56/55	.0	.1	.1															7	7	11	7														
54/53		.1																4	4	9	5														
52/51	.1	.2	.0															10	10	8	10														
50/49	.3	.6	.2															33	33	21	21														
48/47	.3	.3																18	18	28	26														
46/45	.5	.3	.1	.1														37	37	31	28														
44/43	.3	.5	.5	.2														47	47	31	28														
42/41	.4	.7	.5	.2														54	54	30	33														
40/39	.7	1.6	1.1	.2														113	114	77	43														
38/37	.7	2.1	1.3	.2	.0													136	136	97	63														
36/35	1.2	3.2	1.6	.4														199	199	146	102														
34/33	1.9	5.0	2.5	.2														302	303	219	146														
32/31	1.7	5.2	2.2	.0														289	289	295	212														
30/29	1.5	6.5	1.3	.1														293	294	512	217														
28/27	.7	4.9	.6	.0														203	204	289	191														
26/25	1.1	3.6	.6															167	167	214	255														
24/23	.7	4.0	.5	.0														163	164	166	236														
22/21	.5	3.1	.4	.0														127	127	137	190														
20/19	.2	3.9	.3															137	137	123	110														
18/17	.5	2.3	.2															122	122	140	119														
16/15	.4	2.4	.2															96	96	110	114														
14/13	.5	2.1	.1															86	87	96	118														
12/11	.6	3.5	.2															141	142	117	125														
10/9	.8	2.2	.0															104	104	126	87														
8/7	.5	1.5																65	65	91	90														
6/5	.7	1.4	.1															66	66	70	111														
4/3	.3	.7																31	31	43	86														
2/1	.3	.6																29	29	31	94														

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B. W.B	Dry Bulb	Wet Bulb	Dew Point			
-4/-5		.2	.2																12	12	18	53		
-6/-7			.1																4	4	1	27		
-8/-9																			2	2	4	12		
-10/-11		.1	.0																4	4	5	28		
-12/-13			.1																3	3		13		
-14/-15																					3	21		
-16/-17																						9		
-18/-19																						7		
-20/-21																						3		
-22/-23																						4		
-24/-25																						2		
-26/-27																						2		
-28/-29																						2		
-30/-31																						1		
-32/-33																						1		
TOTAL	18.565	0.14	7.1	1.7	.9														3154	3161	3154	3154		
</																								

USAFETAC FORM 1 JUL 54 0-26.5 (JUL A) REPROD PERMITS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B.-W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point							
64/ 63			.0																1	1							
62/ 61		.1																	2	2	1						
60/ 59		.1	.1	.1															7	7	2						
58/ 57		.1	.0	.0															6	6	4						
56/ 55		.1	.1																6	6	8						
54/ 53		.2	.1	.0															10	10	5						
52/ 51	.1	.2	.1																11	11	12						
50/ 49	.4	.5	.0																31	31	28						
48/ 47	.4	.2	.0																18	18	26						
46/ 45	.3	.3	.1	.0															21	21	14						
44/ 43	.3	.5	.2	.1															33	33	27						
42/ 41	.6	.9	.2	.1															56	56	41						
40/ 39	1.1	.9	.7	.1															88	88	72						
38/ 37	.8	1.4	.9	.0															99	99	65						
36/ 35	1.1	3.1	.8	.1															160	160	112						
34/ 33	1.5	4.4	1.9	.1															250	250	191						
32/ 31	2.1	5.6	1.7																295	295	268						
30/ 29	1.8	3.7	1.1																273	273	204						
28/ 27	1.0	5.8	.4																229	229	271						
26/ 25	1.1	4.6	.4																196	196	227						
24/ 23	1.0	3.9	.3																163	163	184						
22/ 21	.7	3.8	.3																153	153	148						
20/ 19	.7	3.2	.1																126	126	156						
18/ 17	.6	3.0	.2																122	122	129						
16/ 15	.8	2.2	.2																101	102	107						
14/ 13	.9	2.4	.1																106	108	113						
12/ 11	.8	2.4	.0																104	104	106						
10/ 9	1.0	2.5	.2																116	117	113						
8/ 7	.5	2.0																	79	80	98						
6/ 5	1.2	1.3																	80	82	92						
4/ 3	.7	1.1																	56	56	59						
2/ 1	.4	1.0																	45	46	46						
0/ -1	.7	.7																	43	43	53						
-2/ -3	.4	.2																	20	20	24						
Element (X)	Σ X'				Σ X				Σ				σ <sub>x</sub>				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					< 0 F	< 32 F	< 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

3

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27-70

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY:

YEARS

FER  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
FEB  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC 0-26 5 (OL A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13806 CHANUTE AFB ILLINOIS/RANTHOL

37-63

YEARS

FEB

MONTH

PAGE 1

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL				
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
60/ 59			.2																		4	4	2				
58/ 57			.2																		5	5	5	3			
56/ 55			.2	.0																	5	5	2	5			
54/ 53	.1	.2	.1																		10	10	10	5			
52/ 51		.2	.2	.0																	9	9	7	8			
50/ 49	.1	.3																			9	9	9	3			
48/ 47	.2	.4	.3																		20	20	12	7			
46/ 45	.4	.4	.1																		19	19	20	21			
44/ 43	.4	.7	.2																		27	27	22	17			
42/ 41	.4	.7	.2	.0																	32	32	32	36			
40/ 39	.8	1.3	.2	.1																	54	54	44	36			
38/ 37	.8	1.4	.9	.2																	75	75	48	44			
36/ 35	1.1	3.7	1.0	.0																	133	133	80	44			
34/ 33	1.7	6.7	1.3																		222	222	172	102			
32/ 31	2.2	6.0	1.2	.1																	219	219	230	173			
30/ 29	2.5	5.6	1.2	.1																	217	217	226	195			
28/ 27	2.0	4.9	.6	.1																	176	176	208	153			
26/ 25	1.4	6.4	.2																		184	184	187	173			
24/ 23	1.3	4.4	.3																		135	135	164	162			
22/ 21	1.3	3.9	.0																		119	119	125	147			
20/ 19	1.1	3.9	.0																		113	113	135	96			
18/ 17	.5	2.2																			63	63	81	149			
16/ 15	1.1	2.3	.0																		77	75	60	110			
14/ 13	.8	1.8	.0																		60	60	67	93			
12/ 11	.3	1.9	.0																		52	52	55	81			
10/ 9	.7	1.4	.1																		48	48	60	47			
8/ 7	.5	1.0																			35	35	39	40			
6/ 5	.5	.8																			29	29	34	51			
4/ 3	.8	1.3																			48	49	45	53			
2/ 1	.5	.7																			28	28	32	40			
0/ -1	.5	.1																			15	15	22	44			
-2/ -3	.2	.3																			11	11	8	25			
-4/ -5	.3	.2																			12	12	12	30			
-6/ -7	.2	.1																			1	1	12	17			
Element (X)	ΣX <sup>2</sup>				ΣX				X̄				σ <sub>X</sub>				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

**F E U**

37-63

Y. ARS

MONTH

0360-0909

[illegible]

USAFETC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

FEB  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point								
62/ 61			.0															1	1										
60/ 58		.1																3	3	1									
58/ 57		.3	.0															9	9	2	2								
56/ 55	.0	.1																5	5	10	9								
54/ 53	.1	.3	.0															10	10	7	5								
52/ 51		.1	.1															7	7	6	6								
50/ 49	.2	.2	.1															12	12	13	13								
48/ 47	.2	.3	.1	.0														20	20	12	11								
46/ 45	.2	.4	.1															21	21	17	14								
44/ 43	.5	.6	.1	.0														36	36	35	25								
42/ 41	.3	.6	.2	.1														33	33	30	29								
40/ 39	.8	1.0	.7	.0														68	68	50	46								
38/ 37	.9	1.2	.7	.1														79	79	59	52								
36/ 35	.9	3.4	1.2	.1														154	154	81	47								
34/ 33	2.4	5.8	1.2	.1														261	261	227	123								
32/ 31	1.7	5.9	.9	.1														239	239	233	197								
30/ 29	1.2	5.6	1.0	.2														221	221	220	187								
28/ 27	1.6	7.0	.8															258	258	273	150								
26/ 25	1.2	5.3	1.0	.1	.0													211	211	222	190								
24/ 23	.9	5.2	.4	.0														179	179	215	216								
22/ 21	.7	3.7	.1															123	123	151	193								
20/ 19	1.0	3.9	.3															145	145	157	117								
18/ 17	.8	2.6	.1															96	96	118	164								
16/ 15	.8	2.5	.1															94	94	94	154								
14/ 13	1.0	2.0	.0															85	85	98	120								
12/ 11	.6	2.2																76	76	71	100								
10/ 9	.6	2.1	.0															75	75	89	72								
8/ 7	.4	1.2																44	44	57	77								
6/ 5	.5	.9																40	40	44	76								
4/ 3	.7	.9																44	45	44	54								
2/ 1	.6	.7																37	37	36	59								
0/ -1	.3	.7																27	27	30	56								
-2/ -3	.4	.3																18	18	22	32								
-4/ -5	.1	.3																10	10	10	48								
Element (X)	Σ x'			Σ x			x̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.																≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																													
Wet Bulb																													
Dew Point																													

USAFETAC FORM 0-26-5 (JUL 64) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

歡迎

YEARS

FEB  
MONTH

0600-0800  
POURS (L, S, T.)

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHOL 37-70

FEB  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
68/ 67				.0	.0													2	2				
66/ 65				.0														1	1				
64/ 63			.0	.0	.0													3	3				
62/ 61		.0	.0	.0	.0	.0												4	4	2			
60/ 59		.0	.0	.1	.0													5	5	4	1		
58/ 57		.1	.1	.1	.1	.0												10	10	2	5		
56/ 55		.1	.1	.1	.0													12	12	7	4		
54/ 53	.0	.3	.1	.1	.1													20	20	17	7		
52/ 51	.1	.2	.3	.1	.1													26	26	15	14		
50/ 49	.2	.3	.2	.2	.2													30	30	21	17		
48/ 47	.2	.3	.2	.4	.4		.0											47	47	25	16		
46/ 45	.3	.5	.4	.6	.2	.1												57	57	37	33		
44/ 43	.4	.6	1.0	.6	.3													85	85	49	31		
42/ 41	.6	.7	.9	1.1	.2													100	100	68	41		
40/ 39	.6	1.0	1.7	1.0	.3													135	135	94	49		
38/ 37	.9	1.8	2.1	1.1	.1													174	174	118	65		
36/ 35	.9	2.8	2.7	.9	.0													212	212	190	95		
34/ 33	1.0	4.9	2.4	.8														278	278	241	142		
32/ 31	.9	4.4	3.2	.4	.0													255	255	281	208		
30/ 29	.8	5.0	2.5	.6														256	256	249	211		
28/ 27	.6	4.0	2.5	.1														207	207	281	166		
26/ 25	.3	3.4	1.2	.1														144	145	200	219		
24/ 23	.6	3.1	1.3	.1														145	145	169	241		
22/ 21	.2	2.6	1.1	.0														116	116	139	186		
20/ 19	.3	3.0	.8															115	115	123	125		
18/ 17	.2	2.5	.5															92	92	125	153		
16/ 15	.2	1.7	.2															61	61	94	127		
14/ 13	.3	1.8	.3															68	68	62	105		
12/ 11	.4	1.4	.2															55	55	65	94		
10/ 9	.3	1.2	.0															46	46	58	88		
8/ 7	.1	1.0																31	32	36	97		
6/ 5	.2	.6																23	23	36	73		
4/ 3	.1	.5																15	15	23	49		
2/ 1	.2	.4																16	16	13	35		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM

USAFETAC

## PSYCHROMETRIC SUMMARY

14806  
STATIC

CHANQUIE AFR ILLINOIS/RANTOUL  
STATION NAME

37-70

FEB  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL 37-70

STATION NAME YEARS MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
68/ 67			.0	.1	.0													5															5				
66/ 65			.0	.2	.0													6															6				
64/ 63			.0	.2	.0		.1											10															10	2			
62/ 61		.1	.0	.1	.2	.0	.1											15														15	4		1		
60/ 59		.0	.1	.1	.3	.1		.0										17														17	8		4		
58/ 57		.1	.0	.2	.1	.3												23														23	10		4		
56/ 55	.0	.2	.1	.1	.2	.2	.1											27														27	11		7		
54/ 53	.1	.3	.2	.3	.6	.2	.1	.0										54														54	25		23		
52/ 51	.1	.2	.2	.3	.5	.5	.1											58														58	27		16		
50/ 49	.1	.5	.3	.3	.7	.2												63														63	30		13		
48/ 47	.2	.1	.5	.7	.9	.2												78														78	54		30		
46/ 45	.3	.5	.6	1.2	1.2	.2												118														118	58		33		
44/ 43	.1	.6	.8	1.2	.8	.2												106														106	73		35		
42/ 41	.3	.6	1.2	1.6	.7	.1												127														127	111		45		
40/ 39	.4	1.5	2.2	1.9	.8													196														196	127		61		
38/ 37	.5	2.0	1.7	1.8	.3													191														191	188		95		
36/ 35	.7	2.6	2.4	1.6	.2													217														217	228		120		
34/ 33	.8	4.2	2.6	1.2	.2													264														264	234		183		
32/ 31	1.0	3.1	3.1	1.4	.2													251														251	293		214		
30/ 29	.4	3.2	2.6	1.5	.1													226														226	233		225		
28/ 27	.3	2.8	2.5	.4														176														176	238		184		
26/ 25	.1	2.0	1.7	.3														121														121	201		233		
24/ 23	.4	1.7	1.7	.2														117														117	163		185		
22/ 21	.2	1.8	1.7															109														109	116		181		
20/ 19	.2	1.6	.8															74														74	120		119		
18/ 17	.1	1.3	.3															48														48	92		153		
16/ 15	.1	.9	.4															41														41	54		101		
14/ 13	.1	1.3	.3															50														50	39		123		
12/ 11	.1	.8	.3															34														34	49		107		
10/ 9	.0	.5																15														15	37		80		
8/ 7	.0	.4																13														13	17		67		
6/ 5		.5																13														13	13		54		
4/ 3		.2																5														5	8		47		
2/ 1	.1	.2																10														10	13		39		
Element (X)	ΣX			ΣX			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature											Total										
Rel. Hum.																≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

37-70

FEB  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
0/ -1	.0	.0																2	2	4	29			
-2/ -3																					14			
-4/ -5																					21			
-6/ -7																					15			
-8/ -9																					6			
-10/-11																					5			
-12/-13																					4			
-14/-15																					4			
-20/-21																					1			
TOTAL	7.2	36.0	28.8	16.9	8.3	2.3	.5	.1											2880		2880			
																		2880		2880				

## PSYCHROMETRIC SUMMARY

FEB  
MONTH

PAGE 1 1500-1700  
HOURS (U. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

FEF  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0265 (1) (A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

FEF  
MONTH

PAGE 1 1800-2000  
HOURS 11 - 5 - 7

[illegible]

3

**M.**

37-70

YEARS

**FEB**  
**MONTH**

PAGE 2 1800-2000  
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5			.1																2	2	2	22		
-6/-7	.0																		1	1	2	11		
-8/-9																						21		
-10/-11																						3		
-12/-13																						3		
-14/-15																						4		
-16/-17																						3		
TOTAL	10.538	926.0	3.7	.2														2880	2880		2880			

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806  
STATIONCHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME37-70  
YEARSFEB  
MONTHPAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B. W.D.	TOTAL			
	0	1-2	3-4	5-6	7	8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23	24	25-26	27-28	29-30	31	TOTAL			TOTAL			TOTAL			TOTAL			TOTAL			TOTAL		
64/ 63		.0	.0																																			
62/ 61		.1	.1																																			
60/ 59		.1																																				
58/ 57					.0		.0																															
56/ 55			.2	.0																																		
54/ 53	.0	.1	.2	.1																																		
52/ 51	.0	.1		.1																																		
50/ 49	.0	.2		.1																																		
48/ 47	.1	.8	.3	.1	.0																																	
46/ 45	.3	.3	.2	.2	.0																																	
44/ 43	.3	.6	.7	.1																																		
42/ 41	.7	.7	.7	.2																																		
40/ 39	.7	1.5	1.2	.2																																		
38/ 37	.5	2.2	1.2	.2																																		
36/ 35	1.2	4.3	2.4	.1																																		
34/ 33	1.4	5.9	1.9	.1																																		
32/ 31	1.1	6.4	2.4	.0																																		
30/ 29	.9	7.0	1.2	.1																																		
28/ 27	1.2	6.2	1.3																																			
26/ 25	.8	5.2	.5																																			
24/ 23	.5	4.3	.7																																			
22/ 21	.5	4.1	.2																																			
20/ 19	.8	3.8	.3																																			
18/ 17	.2	2.6	.1																																			
16/ 15	.3	2.3	.1																																			
14/ 13	.2	2.2	.1																																			
12/ 11	.3	1.1	.1																																			
10/ 9	.2	1.1																																				
8/ 7	.2	1.4																																				
6/ 5	.2	1.0																																				
4/ 3	.3	.8																																				
2/ 1	.3	.5																																				
0/ -1	.2	.3																																				
-2/ -3	.1	.0																																				
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																						
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL 37-70  
STATION STATION NAME

YEARS

FEB  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

REVISED: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (CL A)

FORM 4-1

**USAFETAC**

3

MAR  
MONTH

37-64

**YEAR 2**

MONTH

0000-0200  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MAR  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/HANTOUL

17-63

MAP  
MONTH

PAGE 1 0300-0300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
66/ 65			.1															2	2					
64/ 63		.0	.0															2	2					
62/ 61		.3		.0														9	9	5	2			
60/ 59	.0	.2	.1	.0														9	9	9	10			
58/ 57		.3	.2	.2														23	23	11	8			
56/ 55	.2	.6	.4	.2	.0													47	37	20	19			
54/ 53	.1	.9	.5	.3														45	45	29	18			
52/ 51	.4	.8	.4	.2														43	43	44	34			
50/ 49	.4	.7	.4	.3														44	44	48	42			
48/ 47	.6	1.3	.6	.1														63	63	51	40			
46/ 45	.4	1.5	.7	.2														71	71	60	51			
44/ 43	.7	2.5	.8	.2														106	106	78	80			
42/ 41	.7	1.9	1.3	.2														101	101	111	61			
40/ 39	.6	2.7	1.3	.1														117	117	83	102			
38/ 37	1.0	2.9	1.2	.4														137	137	135	99			
36/ 35	1.0	5.2	1.4	.2														196	196	148	109			
34/ 33	1.1	5.1	2.0	.1														208	208	204	149			
32/ 31	1.4	6.8	2.0	.0														256	256	218	190			
30/ 29	1.0	7.2	1.3															239	239	248	211			
28/ 27	.8	5.8	1.0															191	191	241	147			
26/ 25	1.0	4.7	.4															154	154	201	193			
24/ 23	.9	3.2	.6															120	121	146	206			
22/ 21	.6	2.9	.3															97	97	114	180			
20/ 19	.6	1.7	.1															59	59	89	91			
18/ 17	.5	.9	.0															36	36	60	117			
16/ 15	.4	.8																32	32	30	82			
14/ 13	.1	.7																20	20	21	65			
12/ 11	.5	.6																28	28	34	37			
10/ 9	.6	.2																23	23	27	30			
8/ 7	.2	.4																15	15	11	44			
6/ 5	.0	.0																2	2	9	35			
4/ 3		.0																1	1		13			
2/ 1	.1	.2																9	9	8	10			
0/ -1	.2																	4	4	6	6			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

4

37-63

YEARS

MAR  
MONTH

4

4

USAFETAC FORM 0-26.5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL STATION NAME 37-70 YEARS

MAR MONTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	D.B.	W.B.	D.P.	T.D.P.			
70/ 69								.0										1	1			1	1					
68/ 67				.0														1	1			1	1					
66/ 65			.1	.0		.0												4	4			4	4					
64/ 63		.2	.0	.1	.0	.1												12	12			12	12	2				
62/ 61		.2	.1	.0	.1	.0												12	12			12	12	8	5			
60/ 59		.3	.0	.1	.0													14	14			14	14	8	10			
58/ 57	.1	.3	.2	.2	.1													30	30			30	30	20	7			
56/ 55	.2	.4	.4	.4			.0											42	42			42	42	29	27			
54/ 53	.3	.7	.4	.3	.2													55	55			55	55	31	24			
52/ 51	.3	.9	.4	.2	.1													58	58			58	58	29	29			
50/ 49	.6	.8	.6	.3	.1													71	71			71	71	72	71			
48/ 47	.4	1.0	.8	.3	.1													78	78			78	78	54	41			
46/ 45	.4	1.2	.9	.4	.1													89	89			89	89	78	69			
44/ 43	.6	1.3	1.0	.7														108	108			108	108	96	81			
42/ 41	.6	2.0	1.3	.3	.1													126	126			126	126	89	77			
40/ 39	.7	2.0	2.2	.3	.1													161	161			161	161	143	99			
38/ 37	.9	2.8	1.7	.6	.1													183	183			183	183	160	114			
36/ 35	.9	4.4	2.1	.6														242	242			242	242	176	125			
34/ 33	1.4	5.1	2.7	.3														288	288			288	288	267	181			
32/ 31	1.0	6.3	2.1	.2														292	292			292	292	299	246			
30/ 29	.6	6.6	1.9	.1														279	279			279	279	295	244			
28/ 27	.9	4.3	1.2															193	193			193	193	296	207			
26/ 25	.8	3.8	.6															160	160			160	160	186	258			
24/ 23	.6	2.8	.4															116	116			116	116	165	224			
22/ 21	.5	2.9	.4															113	113			113	113	113	183			
20/ 19	.8	1.3	.3															78	78			78	78	117	117			
18/ 17	.4	1.6	.1															64	64			64	64	70	142			
16/ 15	.3	.9	.0															39	39			39	39	62	102			
14/ 13	.2	.7																26	26			26	26	29	87			
12/ 11	.3	.5																25	25			25	25	30	49			
10/ 9	.3	.4	.0															23	23			23	23	25	40			
8/ 7	.4	.2																18	18			18	18	20	63			
6/ 5	.2	.0																7	7			7	7	12	39			
4/ 3	.1	.1																6	6			6	6	5	18			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												Total	Total	Total			
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F							
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

     MAY       
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
MIL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 STATION CHANUTE AFB ILLINOIS/RANTOUL 37-70 YEARS MAR MONTH  
PAGE 1 0900-1100 HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITION OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31								
78/ 77									.0												1	1			
76/ 75							.0	.1													3	3			
74/ 73							.1	.2	.1	.0											10	10			
72/ 71				.1	.0	.1	.0	.1		.0											11	11			
70/ 69			.1	.1	.0	.2	.1	.0	.1												19	19			
68/ 67			.1	.0	.2	.2	.1	.1	.1												24	24			
66/ 65		.1	.1	.3	.2	.3	.2	.0	.0												37	37	5		
64/ 63		.1	.3	.2	.1	.1	.2	.2													38	38	12	7	
62/ 61		.3	.3	.3	.1	.3	.0	.1													42	42	24	9	
60/ 59		.3	.3	.1	.4	.4	.3	.0													55	55	48	10	
58/ 57		.5	.3	.1	.5	.3	.2	.2													76	76	40	30	
56/ 55	.1	.5	.3	.3	.6	.3	.2	.0													77	77	57	38	
54/ 53	.4	.9	.4	.5	.5	.5	.1	.0													106	106	65	52	
52/ 51	.3	.5	.6	.7	.5	.4	.1	.0													96	96	101	63	
50/ 49	.3	.7	.0	.7	.7	.4	.0	.0													112	112	86	69	
48/ 47	.3	.5	.6	.9	.7	.3	.0														108	108	101	57	
46/ 45	.3	.8	1.1	1.3	.9	.2															147	147	111	80	
44/ 43	.7	.9	1.2	1.7	.9	.2	.1														177	177	128	94	
42/ 41	.4	1.1	1.7	1.8	.6																181	181	158	110	
40/ 39	.4	1.3	2.7	1.4	.9	.1															216	216	164	106	
38/ 37	.2	1.9	2.4	2.0	.3																215	215	232	116	
36/ 35	.6	2.6	3.2	2.4	.0																278	278	248	159	
34/ 33	.7	3.2	2.6	1.3	.1																252	252	249	194	
32/ 31	.4	3.2	2.9	.6	.1																228	228	326	239	
30/ 29	.4	1.6	2.4	.5																	151	151	258	255	
28/ 27	.3	1.4	2.0	.2																	126	126	177	211	
26/ 25	.2	1.7	1.1	.1																	98	98	162	225	
24/ 23	.1	1.3	1.1	.1																	80	80	119	215	
22/ 21	.3	1.3	.3	.0																	60	60	81	162	
20/ 19	.2	.9	.4																		44	44	77	114	
18/ 17	.1	.7	.2																		34	34	43	141	
16/ 15	.1	.3	.1																		14	14	33	112	
14/ 13		.3	.1																		12	12	16	73	
12/ 11	.1	.2	.0																		9	9	9	63	
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.				
Rel. Hum																					Mean No. of Hours with Temperature				
Dry Bulb																					≤ 0 F				
Wet Bulb																					≤ 32 F				
Dew Point																					≥ 67 F				
																					≥ 73 F				
																					≥ 80 F				
																					≥ 93 F				
																					Total				

## PSYCHROMETRIC SUMMARY

47-70

YEARS

MAR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.46.5 (OLA)

MEMO

**USAFETAC**

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

17-70

MAR

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81												.0						1	1		
80/ 79								.1	.0	.1	.0		.1					9	9		
78/ 77								.1	.1	.1	.1	.3						15	15		
76/ 75						.0	.1	.1	.1	.1	.0	.0						15	15		
74/ 73				.1	.2	.2	.2	.2	.1	.2	.0		.0					36	36		
72/ 71				.1	.1	.1	.2	.3	.1	.2	.0							29	29		
70/ 69	.0		.1	.1	.1	.1	.2	.4	.2	.1								40	40	1	
68/ 67			.1	.2	.2	.2	.3	.3	.2	.1								51	51	2	
66/ 65	.0	.1	.2	.1	.3	.3	.3	.3	.1									52	53	20	
64/ 63		.1	.1	.2	.2	.2	.3	.3	.2	.0								64	64	28	
62/ 61	.0	.3	.2	.1	.3	.7	.4	.3	.1									74	74	39	
60/ 59	.1	.3	.2	.3	.4	.6	.4	.1	.1	.1								80	81	51	
58/ 57	.1	.6	.2	.4	.5	.6	.6	.2	.0									104	104	60	
56/ 55	.1	.6	.0	.3	.4	.7	.5	.1										102	102	95	
54/ 53	.2	.8	.3	.6	.6	.7	.4	.1										117	117	92	
52/ 51	.2	.7	.5	.5	.7	.9	.6	.0										125	125	134	
50/ 49	.3	.5	.4	.9	1.2	.8	.2											136	136	118	
48/ 47	.1	.7	.6	.9	1.1	1.1	.1											149	146	104	
46/ 45	.1	.4	.7	1.6	1.5	.7	.1											163	163	142	
44/ 43	.4	1.1	.7	1.2	1.6	.4												175	175	139	
42/ 41	.2	1.2	1.3	2.1	1.4	.3	.0											211	211	187	
40/ 39	.3	1.1	1.0	2.4	1.6	.0	.0											204	204	204	
38/ 37	.4	1.4	1.8	2.1	.8	.1												205	205	233	
36/ 35	.4	1.7	2.2	2.2	.4	.0												245	245	237	
34/ 33	.3	2.1	2.0	.7	.1													161	161	252	
32/ 31	.4	2.1	1.7	.9	.1													164	164	292	
30/ 29	.2	1.1	1.9	.5	.1													121	121	221	
28/ 27	.2	.9	1.2	.4														85	85	115	
26/ 25	.0	1.2	1.0	.1														75	75	114	
24/ 23	.2	1.0	.0															61	61	98	
22/ 21	.1	.7	.3															36	36	75	
20/ 19		.3	.3	.0														22	22	44	
18/ 17		.2	.2															12	12	18	
16/ 15	.1	.1	.1															9	9	18	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ X		No. Obs.		Mean N. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 84 JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

MAP  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USA<sup>®</sup>ETAC 0.26-5 (OL A) <sup>FORM</sup> REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

MAR  
MONTH

37-70

1500-1700

U.S. SAFETY AC 10-65 (Q1 A) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

MAI  
MCMTA

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

37-70

YEARS

MAR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAP  
MONTH

PAGE 2 1800-2000

[illegible]

ISAFETAC  
P-18M  
0-20-5 (0.1A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANIE AFB ILLINOIS/RANTHUL 37-70

MAR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
70/ 69			.0															1	1														
68/ 67			.1															2	2														
66/ 65		.1	.0	.1		.0												8	8	1													
64/ 63		.1	.2	.1	.2	.1		.0										18	18	4	2												
62/ 61		.3	.3	.3	.2	.0												34	34	6	3												
60/ 59	.1	.5	.3	.1	.2		.0											39	40	28	16												
58/ 57	.1	.7	.1	.4	.2		.0											48	48	34	25												
56/ 55	.2	.5	.3	.5	.2	.0												52	52	49	34												
54/ 53	.4	.9	.5	.5	.1													75	75	50	41												
52/ 51	.3	1.1	.7	.5	.1													84	84	63	45												
50/ 49	.3	1.0	.7	.3	.1													78	78	80	58												
48/ 47	.4	1.4	1.4	.8	.2													132	132	92	71												
46/ 45	.3	1.4	1.6	.7	.1	.1												131	131	99	87												
44/ 43	.4	1.5	2.0	.6	.1													145	145	128	101												
42/ 41	.5	2.0	1.8	.5	.1													154	154	131	110												
40/ 39	.7	1.8	2.3	1.0	.1													195	195	176	113												
38/ 37	.9	2.0	2.9	.6	.1													206	206	178	153												
36/ 35	.7	3.9	3.1	.4														255	255	228	175												
34/ 33	.6	5.1	3.3	.3														293	293	253	157												
32/ 31	.9	5.5	2.4	.3														285	285	327	249												
30/ 29	.5	4.6	2.4	.0														237	237	271	272												
28/ 27	.6	4.4	1.7	.1														212	212	275	234												
26/ 25	.6	2.6	.6	.0														122	122	220	249												
24/ 23	.3	2.0	.3															83	83	120	217												
22/ 21	.2	2.1	.3															84	84	88	166												
20/ 19	.3	1.3	.2															59	55	81	114												
18/ 17	.1	.8	.1															30	30	46	129												
16/ 15	.2	.7																28	28	33	93												
14/ 13	.3	.6	.0															33	33	40	56												
12/ 11	.3	.3	.0															18	18	22	47												
10/ 9		.1																3	3	7	41												
8/ 7	.1	.1																4	4	5	36												
6/ 5	.0	.0																2	2	1	24												
4/ 3	.1	.1																6	6	9	12												
Element (X)	Σ X <sup>2</sup>					Σ X					X̄					σ <sub>x</sub>					No. Obs.					Mean No. of Hours with Temperature							
Rel. Hum.																					≤ 0 F					≤ 32 F							
Dry Bulb																					≥ 67 F					≥ 72 F							
Wet Bulb																					0 F					≥ 93 F							
Dew Point																										Total							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC 0-26.5 (CL A) -ORM REV 04  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

0000-0200  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 69		.0	.0	.0	.1													5	5					
68/ 67			.4	.4	.2													24	24	1	1			
66/ 65		.3	.3	.6	.2													34	34	1				
64/ 63	.0	.8	.9	.3	.3													56	56	25	7			
62/ 61	.2	1.0	.5	.3	.4	.2	.0											66	66	60	33			
60/ 59	.3	2.1	.9	.6	.4	.3												111	111	66	54			
58/ 57	.3	1.3	.9	1.0	.8	.3	.1											114	114	89	97			
56/ 55	.2	1.2	.9	.8	.4	.3												93	93	69	59			
54/ 53	.4	1.4	1.7	.9	.4	.2		.0										126	120	91	59			
52/ 51	.3	1.4	1.4	.6	.5	.1												109	109	117	83			
50/ 49	.5	2.2	1.6	1.0	.4	.1	.1											141	141	131	88			
48/ 47	.4	2.1	1.9	1.5	.3	.0	.1											153	153	137	111			
46/ 45	.4	3.1	2.4	1.2	.3	.2												183	183	144	120			
44/ 43	.4	2.8	2.2	.7	.5													156	156	169	133			
42/ 41	.3	3.3	2.3	1.7	.2	.1												193	193	181	152			
40/ 39	.5	2.4	3.2	1.0		.0												189	180	186	163			
38/ 37	.5	4.0	2.7	.7	.0													192	182	162	138			
36/ 35	.1	4.0	2.4	.9														179	179	246	172			
34/ 33	.2	3.3	1.7	.1														129	129	183	198			
32/ 31	.4	1.4	1.2	.0														74	74	157	190			
30/ 29		1.4	.7															49	49	86	143			
28/ 27		.8	.5															31	31	51	92			
26/ 25		.4	.1															11	11	39	115			
24/ 23	.1	.2	.2															13	13	14	66			
22/ 21	.0																	1	1	8	59			
20/ 19		.0																1	1	4	19			
18/ 17																				1	28			
16/ 15																					5			
14/ 13																					1			
12/ 11																					4			
10/ 9																								
TOTAL	6.0	41.1	30.8	14.3	5.6	1.9	.3	.0										2418	2418	2418	2418			
																		2418		2418				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ x		No. Obs.		Mean No. of Hours with ~temperature													
Rel. Hum.	15351069		189795		78.6		13.332		2414		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 92 F		Total	
Dry Bulb	5220953		109827		43.4		9.808		2418				6.7		1.1								90	
Wet Bulb	4550202		102370		42.3		9.457		2418				13.4		.0								90	
Dew Point	3921937		93901		38.8		10.673		2418				27.2		.0								90	



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHAMUTE AFB ILLINOIS/RAINDOL 37-65

YEARS

APR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B. W.B.		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67			.0	.2	.1													9	9					
66/ 65		.2	.4	.2														19	19	1				
64/ 63	.0	.9	.6	.1														41	41	11				
62/ 61	.1	1.4	.3	.3	.1													58	58	44				
60/ 59	.4	2.2	.7	.4	.4	.1												99	99	76				
58/ 57	.4	1.4	.0	.4	.5	.1												84	84	73				
56/ 55	.5	1.2	1.1	.5	.5	.2	.0											97	97	70				
54/ 53	.5	1.5	1.4	.5	.4													103	103	68				
52/ 51	.5	1.3	1.7	.7	.3													109	109	93				
50/ 49	.4	2.0	1.6	.5	.2	.1												119	119	109				
48/ 47	.5	1.9	1.2	1.1	.1	.1												119	119	147				
46/ 45	.7	3.8	1.6	1.2	.2	.1	.0											188	188	136				
44/ 43	.3	3.1	2.2	.8	.4	.0												166	166	144				
42/ 41	.5	3.6	2.1	.5	.1	.0												167	167	163				
40/ 39	.9	2.8	2.4	.5	.1													162	162	201				
38/ 37	.5	5.2	3.0	.6														225	225	170				
36/ 35	.5	4.7	2.2	.1														184	184	223				
34/ 33	.3	4.9	2.9	.1														199	199	206				
32/ 31	.2	2.8	1.9	.0														119	119	186				
30/ 29	.1	1.9	.7															67	67	134				
28/ 27	.0	1.2	.4															41	41	78				
26/ 25	.0	.9	.1															26	26	41				
24/ 23	.0	.4	.2															14	14	27				
22/ 21		.2	.1															8	8	10				
20/ 19		.0																1	1	10				
18/ 17																				1				
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
TOTAL	7.5	49.8	29.5	9.0	3.4	.7	.1											2424		2424				
Element (X)	Σx²		Σx		Σ	σ²	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.	16386920		197156		81.3	12.040	2424		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4531131		105603		43.6	9.753	2424			10.2	.3				90									
Wet Bulb	4298898		99426		41.0	9.544	2424			18.1					90									
Dew Point	3775015		92111		38.0	10.650	2424			30.7					90									

USAFETAC 0-26-5 (OLA) JUL 64

3

YEARS

APR  
MONTH

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JSAFETAC FORM 0-26-5 (OL. A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
1 11 64

JSAFETAC FORM

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL 37-70

\_\_\_\_\_  
YEARS

APR  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

37-70

YEARS

APR  
MONTH

PAGE 1 0900-1107  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (CL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
APR  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

57-70

YEARS

APR  
MONTM

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

## PSYCHROMETRIC SUMMARY

2PK  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANDLER AFB ILLINOIS/RANTOUL

37-70

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
90/ 89												.0						1	1					
86/ 85											.1	.0						3	3					
84/ 83								.1	.2	.1	.2	.1	.0	.0				20	20					
82/ 81					.0	.0	.1	.3	.3	.2	.2	.0	.1					40	40					
80/ 79				.1	.2	.2	.4	.3	.4	.2	.2	.2						65	65					
78/ 77				.2	.2	.2	.5	.5	.6	.2	.3	.2	.2					93	93					
76/ 75				.1	.3	.3	.3	.5	.2	.6	.5	.1						87	87					
74/ 73		.0	.1	.3	.4	.5	.6	.3	.4	.4	.3	.2						105	105	5				
72/ 71			.1	.5	.7	.5	.4	.7	.5	.5	.1	.1						124	124	12				
70/ 69		.1	.2	.5	.6	.4	.6	1.0	.8	.6	.1							150	150	25				
68/ 67		.1	.6	.5	.4	.5	.6	.8	.9	.4	.1							146	146	69				
66/ 65		.0	.6	.4	.4	.4	1.0	.8	.5	.3	.1							149	139	97				
64/ 63		.2	.6	.3	.6	.7	1.0	.9	.7	.3								157	157	124				
62/ 61	.2	.6	.3	.6	.4	1.0	1.0	.9	.7	.1								182	182	141				
60/ 59	.1	.7	.5	.6	.9	1.3	.9	.7	.6	.0								187	187	120				
58/ 57	.1	.9	.4	.5	.7	.7	1.1	.9	.2									169	169	173				
56/ 55	.1	.9	.8	.8	.9	1.5	1.4	.6	.1									203	203	187				
54/ 53	.1	.6	.6	1.1	.7	1.2	.8	.3	.1									168	168	199				
52/ 51	.2	.7	.6	.8	1.4	1.3	.7	.1										175	175	230				
50/ 49	.1	.5	.6	1.4	1.3	1.0	.7	.1										172	172	214				
48/ 47	.2	.7	.8	.9	.9	.8	.3											142	142	206				
46/ 45	.2	.6	.9	.8	.6	.9	.0											122	122	247				
44/ 43	.3	.9	.9	.9	.5	.4												116	116	268				
42/ 41	.1	.9	.8	.6	.4	.1												87	87	199				
40/ 39	.2	.9	.9	.2	.1	.1												76	76	168				
38/ 37	.1	.5	.5	.5	.1													49	49	152				
36/ 35		.4	.5	.3	.1													40	40	95				
34/ 33	.2	.3	.1	.1														19	19	53				
32/ 31	.1	.1	.1	.1														15	15	41				
30/ 29	.1		.0															4	4	19				
28/ 27	.0	.0																2	2	11				
26/ 25																				3				
24/ 23																				78				
22/ 21																				72				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel Hum											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64



## PSYCHROMETRIC SUMMARY

APR  
MONTH

1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
20/ 19																						32		
18/ 17																						29		
16/ 15																						18		
14/ 13																						4		
12/ 11																						3		
10/ 9																						2		
TOTAL	2,316,111	11,512,614,012,1	9,8	7,1	4,1	2,0	.9	.5	.0										3058	3058	3058	3058		

USAFETAC FORM 0.26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-72

APR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

APR  
MON

PAGE 2 1800-2000  
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
12/ 11																							2	
10/ 9																							1	
TOTAL	3.3	18.0	22.2	20.4	13.0	10.7	6.5	3.7	1.4	.6	.1	.0								3060	3060	3060	3060	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL

37-70

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	≥ 31	D 3. W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73				.0	.1				.0									4	4						
72/ 71			.1	.1	.1	.1	.1											11	11						
70/ 69		.0	.3	.1	.3	.2	.1	.0										32	32	2					
68/ 67		.1	.5	.4	.2	.1	.0	.0										45	45	6	3				
66/ 65	.0	.4	.8	.6	.5	.2	.1	.0	.0									80	80	18	5				
64/ 63	.1	.6	1.0	.5	.5	.4	.3	.0										101	101	47	19				
62/ 61	.1	1.2	1.1	.9	.6	.5	.3	.0										139	139	80	51				
60/ 59	.6	1.4	.7	1.0	.9	.6	.2	.0										161	161	116	86				
58/ 57	.1	1.4	1.0	1.3	.5	.6	.1	.0										152	152	116	100				
56/ 55	.2	1.3	1.5	1.2	.8	.3	.2											164	164	129	90				
54/ 53	.5	1.2	1.7	1.1	.5	.2												155	155	148	118				
52/ 51	.4	1.5	2.1	.7	.6	.2	.0											169	169	178	103				
50/ 49	.5	1.6	2.3	1.7	.9	.3	.1											223	223	202	147				
48/ 47	.4	1.1	2.1	1.8	.9	.3	.0											200	200	192	159				
46/ 45	.1	1.9	3.0	1.9	.6	.1												230	230	195	181				
44/ 43	.2	2.2	2.6	1.2	.5	.0												202	202	201	151				
42/ 41	.4	2.2	2.8	1.6	.4	.1												227	227	261	201				
40/ 39	.3	2.0	3.3	1.1	.2													209	209	236	231				
38/ 37	.5	2.4	2.0	1.2	.1													184	184	243	172				
36/ 35	.1	2.5	1.3	.5														133	133	215	249				
34/ 33	.2	1.6	.9	.1														87	87	184	206				
32/ 31	.2	1.0	.8	.0														58	58	119	202				
30/ 29	.2	.5	.4	.0														35	35	68					
28/ 27		.3	.1															13	13	41	106				
26/ 25	.1	.2	.1															10	10	19	102				
24/ 23		.1	.0															4	4	7	69				
22/ 21																				5	57				
20/ 19																					16				
18/ 17																					14				
16/ 15																					5				
14/ 13																					3				
12/ 11																					2				
10/ 9																					1				
Element (X)	Σx <sup>2</sup>		Σx		x̄		σ <sub>x</sub>		No. Obs		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (CL) 7-64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

14806  
STATION

CHANDLER AFB ILLINOIS/RANTOUL  
STATION NAME

37~70

YEARS

APR  
MONTH

PAGE 2 2100-2300  
HOURS (11 P. M.)

[illegible]

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
78/ 77					.0	.1	.0												4	4															
76/ 75				.1	.1	.0	.1												7	7															
74/ 73				.2	.4	.2	.2												25	25															
72/ 71		.4		.5	.5	.3	.0												42	42	5	2													
70/ 69		.7	1.0	.9	.4	.3													76	76	24	9													
68/ 67	.1	1.1	2.0	.9	.7	.1	.0												121	121	55	29													
66/ 65	.2	2.5	1.4	1.1	.6	.4	.1												150	150	97	58													
64/ 63	.3	2.4	1.7	.7	.6	.2		.0											146	146	141	110													
62/ 61	.7	2.8	.9	.9	.4	.2	.0	.0											146	146	142	145													
60/ 59	.7	3.0	1.0	1.4	1.0	.4	.1												178	178	169	136													
58/ 57	.8	2.1	2.1	1.0	.8	.3	.2												176	176	145	143													
56/ 55	.6	3.5	2.1	2.2	1.1	.2	.0												233	233	163	136													
54/ 53	.4	2.9	2.0	2.0	.6	.3													200	200	185	145													
52/ 51	.5	2.4	2.0	1.3	.5	.2	.0												164	164	177	158													
50/ 49	.5	2.0	2.5	1.4	.4	.0													185	185	214	170													
48/ 47	.2	2.1	1.8	.9	.2	.2													132	132	221	156													
46/ 45	.3	2.0	1.9	.6	.3	.0													124	124	162	167													
44/ 43	.3	2.2	1.6	.7	.2														119	119	128	169													
42/ 41	.2	.9	1.0	.9	.2														64	64	133	157													
40/ 39	.0	.5	.8	.3															40	40	77	157													
38/ 37	.2	.6	.6	.2															39	39	68	78													
36/ 35		.6	.2	.1															24	24	49	84													
34/ 33		.5	.0																14	14	33	43													
32/ 31																					20	59													
30/ 29																					1	48													
28/ 27																						19													
26/ 25																						24													
24/ 23																						4													
22/ 21																						4													
TOTAL	5.6	36.1	27.3	17.9	8.8	5.2	.5	.1											2409		2409	2409													

ISAFETAC 0-26-5 (OL A) FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## UN

YEARS

MAY  
MONTH

0300-0500  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (QLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

2

MAY

MONITOR

HOURS (L. S. T.)

USAFETAC  
FORM 0-205 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

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MAY  
MONTH

YEARS

HOURS (L. S. T.

USAFETAC  
4784  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

37-70

YEARS

MAY  
MONTH

PAGE 1 0900-1100  
HOURS (L, S, T.)





## PSYCHROMETRIC SUMMARY

37-70

YEARS

MAY  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0 26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 2 1500-1700  
HOURS 11 5 11

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B. W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
90/ 99											.0							1	1		
88/ 87								.1	.1		.1	.0						8	8		
86/ 85						.0	.0	.1	.1	.1	.1		.0					14	14		
84/ 83							.2	.2	.2	.2	.2							34	34		
82/ 81					.1	.2	.4	.4	.3	.2	.1	.1						58	58		
80/ 79				.1	.2	.7	.4	.3	.3	.2	.1	.1	.1	.0				76	76		
78/ 77		.0		.2	.8	.4	.9	.7	.4	.3	.2	.0						126	126		
76/ 75		.2	.3	.6	.6	.8	.8	.7	.4	.3	.2	.1						160	160		
74/ 73		.2	.4	1.1	.9	.8	.5	.8	.6	.4	.1	.0						183	183	10	
72/ 71		.3	.9	1.0	1.0	.5	1.2	.3	.7	.3	.1	.1						200	200	67	
70/ 69	.0	.4	1.3	1.1	.9	.7	.8	.7	.5	.2	.1							215	215	119	
68/ 67	.2	.9	1.2	.9	.8	1.0	.9	.9	.5	.3	.0							245	245	173	
66/ 65	.1	1.1	1.2	1.2	1.0	.9	1.1	.7	.3	.2								245	245	231	
64/ 63	.2	1.2	1.3	.8	1.0	.8	1.0	.8	.2	.0								229	229	223	
62/ 61	.1	1.6	.9	1.1	.9	.9	.6	.3	.2									209	209	240	
60/ 59	.2	.8	1.3	1.3	1.3	1.1	.7	.3										230	230	242	
58/ 57	.1	1.2	1.2	.9	1.0	.6	.5	.1										180	180	250	
56/ 55	.0	1.3	1.3	1.0	.6	.8	.5	.1										184	184	274	
54/ 53	.2	1.1	.9	1.0	.5	.3	.3	.2										135	135	281	
52/ 51	.2	1.3	1.0	.6	.6	.5	.2	.2										137	137	251	
50/ 49	.1	.7	1.2	.8	.3	.2	.1											107	107	239	
48/ 47	.0	.4	.7	.4	.4	.2	.0											68	68	153	
46/ 45		.5	.4	.3	.2													41	41	143	
44/ 43		.3	.4	.2	.0	.0												29	29	92	
42/ 41		.3	.2	.1														18	18	72	
40/ 39	.0	.4	.0	.1		.0												18	18	55	
38/ 37	.0	.1	.0		.0													7	7	26	
36/ 35		.1	.0															4	4	10	
34/ 33																				2	
32/ 31																				2	
30/ 29																				1	
28/ 27																				24	
26/ 25																				18	
24/ 23																				2	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 94 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806      CHANUTE AFB ILLINOIS/RANTOUL  
STATION      STATION NAME

37-70

MAY  
MONTH

PAGE 2 1800-2000

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAY  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81							.0											1	1		
80/ 79			.0		.0	.1	.1	.1										8	8		
78/ 77			.0	.1	.1	.2	.2	.2										27	27		
76/ 75			.1	.3	.4	.3	.1	.1	.0									40	40	1	
74/ 73		.0	.4	.7	.3	.5	.3	.1	.0									70	70	2	1
72/ 71		.3	1.1	.6	.8	.6	.3	.1	.0									111	111	13	3
70/ 69		.5	1.4	1.2	.8	.6	.4	.1	.0									148	148	62	13
68/ 67	.2	1.5	1.6	1.0	1.0	.9	.5	.1	.1									204	204	99	66
66/ 65	.2	1.8	1.7	.9	1.0	.6	.3	.2	.0									199	199	146	107
64/ 63	.4	2.0	1.7	.9	.9	1.0	.4	.0	.0									218	218	197	127
62/ 61	.5	2.2	1.1	1.5	1.0	1.0	.4	.2										246	246	208	193
60/ 59	.4	1.8	1.9	1.5	1.1	1.0	.5	.1	.0									241	241	229	170
58/ 57	.2	1.6	1.8	1.7	1.2	.9	.3											226	226	173	174
56/ 55	.3	2.4	2.1	1.5	1.3	.5	.2	.1										243	243	234	157
54/ 53	.1	1.7	1.7	1.7	1.0	.3	.2	.0										199	199	260	183
52/ 51	.3	1.5	1.6	1.6	.7	.2	.1											178	178	238	214
50/ 49	.2	1.9	1.8	.7	.6	.1												159	159	224	205
48/ 47	.2	1.1	1.8	.8	.4	.2												133	133	246	205
46/ 45	.2	1.3	1.4	.5	.6													117	117	177	183
44/ 43		.7	.7	.5	.1													60	60	134	196
42/ 41		.5	.7	.5	.1													41	41	114	190
40/ 39	.0	.6	.3	.1	.1													42	42	63	160
38/ 37	.0	.2	.2	.1	.0													14	14	65	94
36/ 35		.3	.1															12	12	30	95
34/ 33		.0	.0															2	2	17	62
32/ 31			.0															1	1	6	53
30/ 29																				1	29
28/ 27																				1	30
26/ 25																					17
24/ 23																					5
22/ 21																					4
20/ 19																					3
16/ 15																					1
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

YEARS

  MAY    
MONTH

HOURS (L, S, T.)

[illegible]

JSAFETAC  
FORM  
JUL 64  
0-76-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

37-65

YEARS

JUN  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

USAFFAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANDLER AFB ILLINOIS/RANTOUL 37-70

YEARS

JUN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-31	≥ 31	Dry Bulb		Wet Bulb		Dew Point		
98/ 97										.0		.1								3	3			
96/ 95									.1	.0	.1		.0							7	7			
94/ 93								.1	.1	.1	.2	.0	.0							15	15			
92/ 91						.0	.1	.2	.3	.2	.1		.1							32	32			
90/ 89					.0	.1	.4	.9	.6	.6	.4	.2	.1							97	97			
88/ 87					.1	.4	1.2	1.3	.9	.4	.3	.3	.2	.0						156	156			
86/ 85				.2	.4	1.4	1.3	1.6	.7	.6	.5	.1								205	205			
84/ 83			.0	.4	.9	1.5	1.6	1.0	1.4	.7	.3	.1	.0							242	242			
82/ 81			.0	.6	.9	1.8	1.3	.9	.7	.7	.1	.1	.1							217	217	4		
80/ 79		.0	.1	.9	1.8	1.1	1.3	1.3	1.0	.6	.2									262	262	26		
78/ 77		.1	.3	1.1	1.6	1.2	1.4	1.5	.8	.4	.2									262	262	84	13	
76/ 75		.2	.8	1.5	1.1	1.2	1.1	1.0	.8	.4	.1	.0								255	255	203	39	
74/ 73		.2	1.3	1.5	1.0	1.0	1.5	1.1	.9	.2	.0									269	269	237	89	
72/ 71	.1	.5	1.0	1.1	1.2	1.0	1.2	.9	.3		.0	.0								224	224	333	158	
70/ 69	.1	.9	1.1	.8	.8	.9	.9	1.0	.4	.1										210	210	315	281	
68/ 67	.1	.8	.9	.7	1.0	.8	.5	.3	.1											156	156	316	302	
66/ 65	.2	.7	1.0	.7	.9	.5	.4	.2	.1											126	126	323	260	
64/ 63	.2	.5	.5	.6	.6	.6	.4	.0												106	106	269	256	
62/ 61	.1	.3	.3	.4	.3	.3	.0	.0	.1											62	62	235	206	
60/ 59		.7	.3	.5	.2	.2	.0													62	62	217	226	
58/ 57	.1	.4	.3	.4	.2	.2	.0													49	49	195	213	
56/ 55		.2	.2	.1	.2	.0														23	23	130	233	
54/ 53	.1	.1	.1		.1															10	10	78	178	
52/ 51		.1		.0																5	5	54	157	
50/ 49				.1																2	2	19	116	
48/ 47																					11	102		
46/ 45																					8	80		
44/ 43																						60		
42/ 41																						33		
40/ 39																						28		
38/ 37																						16		
36/ 35																						5		
34/ 33																						3		
30/ 29																						1		
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

JUN  
MONTH

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23	24	25 - 26	27 - 28	29 - 30	> 31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
28 / 27																							1									
24 / 23																							1									
TOTAL	.4	5.7	8.5	11.4	13.0	14.1	14.9	13.4	9.1	5.0	2.6	.9	.5	.0						3057		3057	3057									



## PSYCHROMETRIC SUMMARY

37-70

**YEARS**

JUN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

17-70

     MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC 1 DEM 0 26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEAR

JUN  
MONTH

PAGE 1 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point												
104/103														.0						1	1														
102/101												.0	.0	.0						3	3														
100/99											.1	.0	.2	.0						10	10														
98/97											.1	.1	.1	.2						13	13														
96/95										.2	.3	.1	.1	.1						23	23														
94/93							.0	.2	.6	.7	.4	.2	.4	.2						82	82														
92/91						.0	.3	.4	.7	1.0	.9	.8	.2	.1		.1				139	139														
90/89					.0	.2	.3	.9	1.6	.9	.9	.9	.5	.2		.1				203	203														
88/87					.0	.5	.9	.8	1.2	.9	.9	.6	.3	.1						189	189														
86/85					.4	.8	.9	1.9	1.2	1.6	.8	.6	.1	.1						258	258														
84/83			.1	.1	.4	1.1	1.1	1.3	1.3	1.5	.8	.5	.1							252	252														
82/81			.1	.1	.0	1.1	1.3	1.4	1.1	1.1	.9	.6								252	252	7													
80/79			.1	.6	1.0	1.2	1.1	1.0	1.3	.9	.9	.3	.0							277	277	46	1												
78/77		.0	.4	.7	1.4	.7	.9	1.2	1.0	1.4	.6	.1								259	259	98	8												
76/75		.2	.0	1.0	.9	1.0	.7	1.2	.9	.7	.5	.1								246	246	181	39												
74/73	.1	.1	1.1	1.0	.6	.4	.6	.6	.9	.5	.1									183	183	262	96												
72/71	.1	.6	.7	.8	.3	.8	.8	.3	.3	.3	.1									159	159	344	134												
70/69	.2	.9	.7	.5	.4	.6	.6	.3	.2	.1										139	139	408	237												
68/67	.1	.7	.7	.5	.5	.5	.3	.1	.0											103	105	342	260												
66/65	.1	.2	.6	.6	.5	.0	.2	.2												77	79	306	203												
64/63	.1	.4	.5	.5	.6	.1	.2	.2												76	76	261	256												
62/61	.0	.3	.1	.1	.1	.2	.1													28	28	226	229												
60/59		.3	.3	.1	.1	.1	.0													29	29	252	210												
58/57	.0	.3	.2	.1	.1	.1														23	23	125	219												
56/55		.3	.2	.0	.0															18	18	98	230												
54/53	.0	.0	.1																	4	4	46	193												
52/51	.1	.1																		4	4	35	161												
50/49			.0	.1																2	2	14	130												
48/47				.1																3	3	3	96												
46/45																						1	75												
44/43																						5	67												
42/41																							53												
40/39																							27												
38/37																							24												
Element (X)	Σ x <sup>2</sup>			Σ x			Σ			Σ x			No Obs.			Mean No. of hours with Temperature																			
Rel. Hum																- 0 F	- 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

14806  
STATION

'MAN' - THE ALLIANCE RANTHOL

37-70

YEARS

JUN  
MONTH

PAGE 2 1500-1700

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOLPH

37-70

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000  
HOURS (L S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
98/ 97										.1		.0						3	3	
96/ 95											.1		.0					3	3	
94/ 93								.0	.1	.1	.0							7	7	
92/ 91								.1	.2	.1	.1	.1						16	16	
90/ 89						.0	.2	.4	.5	.2	.2		.0					46	46	
88/ 87					.1	.2	.4	.8	.6	.4	.1	.1	.1					82	82	
86/ 85				.1	.5	.5	.9	.9	.4	.5	.2	.1						121	121	
84/ 83			.0	.2	.7	1.1	1.1	.9	1.0	.6	.2	.1	.1					183	183	
82/ 81		.0	.2	.3	.9	1.5	.9	1.0	.7	.3	.2	.1						188	188	1
80/ 79		.1	.3	1.0	1.0	1.7	1.7	.8	1.0	.6	.2	.1						262	262	17
78/ 77		.1	.8	1.4	1.3	1.0	1.3	.8	.8	.4	.2							246	246	58
76/ 75	.0	.5	1.7	1.4	1.4	1.4	1.0	.9	.7	.4	.0							291	291	110
74/ 73	.0	.8	1.9	1.7	1.2	1.0	1.1	.9	.8	.2	.1							299	299	219
72/ 71	.1	1.6	1.6	1.5	1.2	.8	1.5	.5	.3	.2								286	286	303
70/ 69	.2	1.3	1.0	1.5	.9	1.3	1.1	.6	.2	.0								272	272	366
68/ 67	.2	1.4	1.4	.7	.9	.8	.7	.5	.1	.1								203	203	337
66/ 65	.1	1.0	1.0	1.2	1.0	.6	.5	.2										170	170	342
64/ 63	.0	.6	1.0	.7	.3	.6	.2	.2	.1									116	116	286
62/ 61	.0	.7	.7	.8	.2	.2	.2	.1										90	90	226
60/ 59		.5	.8	.4	.1	.2	.1											63	63	273
58/ 57	.1	.3	.4	.1	.3	.0												43	43	185
56/ 55	.0	.2	.2	.1	.2	.0												27	27	132
54/ 53	.0	.2	.2	.1	.0													18	18	96
52/ 51	.1	.3	.1	.0														16	16	46
50/ 49																				40
48/ 47			.0	.1														5	5	12
46/ 45				.0														1	1	1
44/ 43																				3
42/ 41																				4
40/ 39																				
38/ 37																				18
36/ 35																				6
34/ 33																				5
32/ 31																				2
Element (X)	Σ x'				Σ x				x̄				s <sub>x</sub>				No. Obs.			
Rel. Hum.																	Mean No. of Hours with Temperature			
Dry Bulb																	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F
Wet Bulb																	≥ 80 F	≥ 93 F	Total	
Dew Point																				

USAFETAC FORM 0 26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JUN  
MONTH

1800-2000  
HOURS (L. S. T.)

[illegible]

JSAFETAC  
FORM  
III A-A  
U-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

37-70

JUN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
88/ 87									.0									1	1													
86/ 85							.1	.1	.1									7	7													
84/ 83				.0	.1	.4	.2											20	20													
82/ 81			.1	.4	.7	.5	.1	.1	.1									57	57													
80/ 79		.0	.8	.8	1.2	.5	.4	.1		.0								108	108													
78/ 77		.2	.8	1.8	1.5	.8	.6	.1	.1	.0								170	170	13	5											
76/ 75		.4	1.6	1.3	1.3	.9	.5	.1	.0		.1							179	179	56	16											
74/ 73	.1	1.3	2.1	2.0	1.3	1.1	.4	.2	.0			.0						245	245	100	53											
72/ 71	.2	2.5	2.8	1.8	1.0	1.3	.6		.0									304	304	228	100											
70/ 69	.4	3.3	2.7	2.3	1.6	1.3	.5	.1	.1									346	346	257	246											
68/ 67	.6	3.0	2.8	1.9	1.8	.9	.6	.1										331	331	342	265											
66/ 65	.1	2.4	2.1	1.5	1.6	1.1	.5	.1	.0									264	264	298	278											
64/ 63	.3	1.9	1.9	1.0	1.4	.7	.2	.0										210	210	283	225											
62/ 61	.1	1.6	1.3	1.2	1.0	.5	.1	.0										166	166	255	254											
60/ 59	.2	.8	1.6	.8	.8	.4	.1	.0										137	137	246	242											
58/ 57	.1	1.1	1.4	.5	.4	.3	.0	.0										109	109	192	197											
56/ 55	.2	1.0	.8	.5	.3	.1	.0											84	84	199	197											
54/ 53		.5	.5	.4	.1	.1												46	46	139	177											
52/ 51	.1	.5	.4	.2	.1	.0												35	35	92	176											
50/ 49		.2	.5															19	19	54	121											
48/ 47	.0		.0	.0														3	3	46	84											
46/ 45			.2	.0														6	6	24	71											
44/ 43			.1															2	2	7	45											
42/ 41																				3	41											
40/ 39																				3	18											
38/ 37																					19											
36/ 35																					11											
34/ 33																					3											
32/ 31																					2											
30/ 29																					1											
28/ 27																					1											
TOTAL	2.4	20.7	24.3	18.5	16.7	10.9	4.7	1.2	.4	.1	.1	.0						2849	2849		2849											
Element (X)	Σx <sup>2</sup>		Σx		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																					
Ref. Hum.	16812362		215206		74.5		13.975		2849		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb	13366772		194063		68.1		7.207		2849				55.9	24.9	4.4		90															
Wet Bulb	11400842		179128		62.9		6.969		2849				31.5	5.3			90															
Dew Point	10330976		169900		59.6		8.359		2849				.1	21.6	2.3		90															

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
94/ 93									.0		.0								2	2				
92/ 91									.1	.1									5	5				
90/ 89							.0	.0	.1										6	6				
88/ 87					.0	.2	.2	.1		.1									19	19				
86/ 85					.2	.4	.3	.1	.0										33	33				
84/ 83				.2	.9	.5	.3	.2	.1	.0									71	71				
82/ 81		.0	.2	.7	1.1	.7	.4	.1	.1										111	111				
80/ 79		.0	.6	2.0	1.3	1.0	.5	.3	.1	.1									191	191	3			
78/ 77		.1	1.7	2.5	1.6	.9	.8	.3	.1										254	254	39	4		
76/ 75		1.0	2.9	2.5	2.3	1.1	.7	.2	.1				.0						353	353	145	28		
74/ 73	.2	2.1	3.2	2.2	1.6	1.3	.7	.2				.0							370	370	245	134		
72/ 71	.4	3.2	3.1	2.9	1.9	1.1	.4	.0											422	422	356	276		
70/ 69	.7	3.4	3.2	1.8	1.7	1.1	.5	.1											403	403	446	370		
68/ 67	.3	2.2	3.1	2.4	1.3	.8	.3	.1											337	337	409	366		
66/ 65	.2	1.6	2.9	1.9	1.0	.4	.1												259	259	400	359		
64/ 63	.1	1.2	1.7	1.3	.6	.2	.1												167	167	320	325		
62/ 61	.1	.9	.9	.8	.2	.1													98	98	310	289		
60/ 59	.0	.5	.9	.5	.1	.0													66	66	236	291		
58/ 57		.2	.6	.2	.1														37	37	141	245		
56/ 55		.1	.2	.1															11	11	95	166		
54/ 53		.1	.2																7	7	49	134		
52/ 51																					20	116		
50/ 49		.0																	1	1	8	57		
48/ 47																					1	30		
46/ 45																						21		
44/ 43																						7		
42/ 41																						3		
32/ 31																						2		
TOTAL	2.0	16.8	25.4	21.9	16.0	10.0	5.3	1.7	.6	.2	.0	.1							3223	3223	3223	3223		
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature								Total					
Ref Hum.	19052069		244219		75.8		12.824		3220		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			Total					
Dry Bulb	16676387		230967		71.7		6.223		3223				74.4	40.8	9.6	.1			93					
Wet Bulb	14229426		213386		66.2		5.618		3223				47.4	12.5					93					
Dew Point	13028578		203794		63.2		6.649		3223				34.0	4.8					93					

FORM 0-26-5 (OL A) JUL 64

USAFETAC

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## YEARS

36-70

JUL  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (C 1)

## PSYCHROMETRIC SUMMARY

YEARS

1911  
MONTH

0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

HOURS 11 - 5 - 7

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

FORM 4-72

USAFETAC

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY:

36-70

YEARS

111  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

JUL  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

JUL  
MONTH

HOUPS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27	28	29-30	31	Dry Bulb	Wet Bulb	Dew Point										
96/ 95										.1	.1	.0								6	6											
94/ 93								.1	.2	.1	.2									16	16											
92/ 91							.1	.2	.2	.1	.0	.0								22	22											
90/ 89				.1	.0	.2	.3	.6	.3	.1	.0	.2	.1							61	61											
88/ 87				.1	.2	.6	1.0	.6	.5	.3	.1	.1								109	109											
86/ 85		.0		.2	.8	1.4	1.5	.8	.7	.4	.2	.2								195	195											
84/ 83		.0	.2	.4	1.7	1.8	1.7	1.3	.9	.4	.2	.1	.0							280	280	3										
82/ 81			.4	1.1	2.2	1.5	1.5	1.1	.7	.5	.2	.0								295	295	5	4									
80/ 79		.0	.8	2.3	2.5	2.6	1.8	1.4	1.0	.5	.2	.0								417	417	39	6									
78/ 77		.3	1.4	2.0	2.1	2.2	1.8	1.1	1.0	.3	.0	.0								388	388	122	20									
76/ 75	.0	.7	2.0	2.1	2.4	2.1	1.5	.7	.5	.1										381	383	266	84									
74/ 73	.0	1.1	1.8	1.6	1.6	1.4	1.2	.8	.3											315	315	369	167									
72/ 71	.3	1.6	1.2	1.3	1.1	1.1	1.0	.3	.2	.0										258	258	428	325									
70/ 69	.4	.8	.9	1.5	1.1	.8	.4	.4	.1											200	200	458	377									
68/ 67	.1	.5	.7	.6	.6	.5	.4	.1												112	112	391	333									
66/ 65	.0	.2	.3	.3	.2	.4	.2	.0												54	54	354	330									
64/ 63	.1	.1	.2	.1	.3	.1	.1													28	28	278	288									
62/ 61		.1		.2	.1	.0														13	13	186	264									
60/ 59		.1		.1	.1															8	8	122	220									
58/ 57				.0																1	1	72	199									
56/ 55																						45	151									
54/ 53																						18	117									
52/ 51																						4	99									
50/ 49																							65									
48/ 47																							53									
46/ 45																							36									
44/ 43																							15									
42/ 41																							5									
40/ 39																							3									
TOTAL	.9	5.6	9.7	14.0	17.2	16.8	14.6	9.5	6.6	3.1	1.3	.7	.1								3161		3161									
																					3161		3161									
Element (X)	ΣX <sup>2</sup>			ΣX			X̄			°A			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.	13822341			203495			64.4			15.374			3160			0 F   - 32 F   - 67 F   - 73 F   - 80 F   - 93 F   Total																
Dry Bulb	19121619			245097			77.5			6.088			3161			89.2   73.2   35.5   .6							93									
Wet Bulb	14941000			216642			68.5			5.432			3161			61.3   23.7   .7							93									
Dew Po	13038265			201675			63.5			7.360			3161			38.7   8.3   .2							93									

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## YF-85

     JUL       
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC FORM 0-26-5 (OL A)

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

AUG  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

26-70

AUG  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
92/ 91									.0									1	1					
90/ 89									.1									2	2					
88/ 87						.0		.1										4	4					
86/ 85				.0	.1	.3	.2	.0										19	19					
84/ 83				.1	.5	.6	.1	.0										42	42					
82/ 81			.3	.4	1.0	.4	.2	.1		.0								80	80					
80/ 79			.7	1.2	1.0	.3	.2	.1										110	110	2				
78/ 77		.2	1.3	1.8	1.4	.3	.3	.1	.0									172	172	20	3			
76/ 75	.0	1.0	2.2	1.6	1.5	.7	.2	.1										243	243	99	24			
74/ 73	.1	2.3	2.9	2.2	1.4	.7	.4	.1										322	322	201	90			
72/ 71	.2	3.6	2.7	2.2	1.5	.7	.2	.1										361	361	282	236			
70/ 69	.9	3.3	3.0	2.4	1.1	.7	.2	.0										373	373	374	339			
68/ 67	.6	2.8	3.7	2.4	1.2	.3	.1											390	390	366	318			
66/ 65	.4	2.5	3.5	2.0	1.2	.3	.0											321	321	385	398			
64/ 63	.3	2.1	2.8	1.3	.6	.2	.0											234	234	362	308			
62/ 61	.2	2.1	2.1	1.3	.5	.1												203	203	307	322			
60/ 59	.2	1.5	1.6	1.1	.1	.1												147	147	281	305			
58/ 57	.2	1.1	1.1	.4	.0	.0												96	96	200	252			
56/ 55		.6	.8	.2														50	50	155	222			
54/ 53	.0	.2	.3	.2														38	38	99	160			
52/ 51		.1	.1	.1														11	11	54	139			
50/ 49		.1	.1															6	6	24	92			
48/ 47		.1	.0															3	3	13	32			
46/ 45		.0																1	1	4	28			
44/ 43																				2	12			
42/ 41			.0															1	1		9			
40/ 39																				1				
36/ 35																					1			
TOTAL	3.2	24.8	29.4	21.1	13.0	5.6	2.1	.7	.1	.0								3230	3230	3230				

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 54

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANDOL

36-70

AUG

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
98/ 97											.0	.1	.0						4	4			
96/ 95								.0		.2	.0	.1							9	9			
94/ 93								.0	.2	.1	.2	.1							21	21			
92/ 91						.0	.1	.3	.5	.2	.1	.0							40	40			
90/ 89					.0	.2	.9	1.2	.8	.2	.1	.1							116	116			
88/ 87					.4	.7	1.7	1.1	.8	.2	.2	.0							169	169			
86/ 85				.2	.6	1.6	2.4	1.5	.5	.4	.2	.0							242	242			
84/ 83				.4	1.5	2.4	1.9	1.5	.6	.4	.1	.0							279	279			
82/ 81			.2	1.0	1.8	2.1	2.1	1.4	.7	.4	.1								317	317	5		
80/ 79			.3	1.1	2.3	2.4	1.9	1.7	1.0	.3	.1								364	364	40	2	
78/ 77		.1	1.1	1.5	1.9	1.8	1.9	1.0	.7	.2									333	333	151	25	
76/ 75		.1	1.3	1.4	1.6	2.0	1.9	1.4	.4	.1									336	336	369	51	
74/ 73	.0	.6	1.3	1.3	1.4	1.5	1.8	.7	.3	.1									292	292	357	142	
72/ 71	.1	.6	1.2	1.1	1.4	1.4	1.0	.6	.2										247	247	432	309	
70/ 69	.2	.9	1.0	1.0	.8	1.2	.7	.5	.1	.0									209	209	383	371	
68/ 67	.1	.7	.5	.5	.7	.7	.5	.2	.1										124	124	374	367	
66/ 65	.0	.3	.3	.3	.5	.3	.4	.0											70	70	340	326	
64/ 63	.1	.3	.2	.2	.2	.2	.1												42	42	309	286	
62/ 61		.1	.2	.3	.1	.1	.0												24	24	214	248	
60/ 59		.2	.1	.0	.1	.0	.0												13	13	158	252	
58/ 57				.0		.0													2	2	94	203	
56/ 55				.0	.0														2	2	57	223	
54/ 53																					19	132	
52/ 51																					7	102	
50/ 49																					5	77	
48/ 47																					1	45	
46/ 45																						42	
44/ 43																						17	
42/ 41																						6	
40/ 39																						5	
38/ 37																						2	
36/ 35																						2	
TOTAL	.5	3.9	7.8	10.5	15.2	18.6	19.0	12.9	7.0	2.9	1.1	.5	.0						3255	3255	3255	3255	
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.	13163384		201950		62.0		13.956		3255		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					93		
Dry Bulb	19947879		253832		78.0		6.864		3255				88.6	72.1	39.8	1.0					93		
Wet Bulb	15298428		222352		68.3		5.797		3255				58.6	24.6	.6						93		
Dew Point	13196884		205856		63.2		7.394		3255				36.8	6.9	.0						93		

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
100/ 99										.0		.0	.1	.1				8	8					
98/ 97										.1	.2	.2	.1	.0	.0			21	21					
96/ 95								.0	.2	.8	.5	.4	.2	.1				71	71					
94/ 93							.1	.2	.7	.9	.6	.3	.1	.0				95	95					
92/ 91						.1	.4	.8	1.9	1.3	.6	.2	.1					178	178					
90/ 89					.1	.6	.9	2.0	1.7	1.1	.8	.2	.1					244	244					
88/ 87					.3	1.1	1.6	1.9	1.6	1.0	.8	.2	.1					279	279					
86/ 85			.0	.1	.5	1.4	1.8	2.5	1.7	1.5	.7	.2	.0					341	341					
84/ 83				.4	1.0	1.2	2.2	2.3	2.2	1.1	.6	.0						362	362					
82/ 81			.1	.7	1.1	1.6	1.4	2.3	2.1	1.4	.5							362	362	18				
80/ 79		.0	.5	.9	1.3	1.4	1.3	2.1	1.6	.9	.2							327	327	88	1			
78/ 77			.4	.7	1.2	.9	1.6	1.4	1.4	.3	.2	.1						265	265	227	34			
76/ 75		.2	.5	.6	.8	.6	1.3	1.4	1.1	.7	.1							237	237	369	81			
74/ 73		.3	.7	.5	.5	.6	1.4	.7	.7	.2								171	171	386	177			
72/ 71		.2	.4	.3	.3	.4	.5	.6	.3	.1	.0							102	102	410	257			
70/ 69	.1	.3	.3	.4	.3	.3	.3	.4	.1	.0								80	80	392	316			
68/ 67		.4	.2	.1	.2	.2	.1	.1										42	42	349	362			
66/ 65	.1	.3	.3	.2	.1	.0	.2											39	39	344	302			
64/ 63	.0		.3	.2	.1	.0	.1											21	21	248	278			
62/ 61		.1	.1	.0			.1											8	8	187	252			
60/ 59		.0	.0															2	2	113	246			
58/ 57																				79	215			
56/ 55																				28	227			
54/ 53																				13	164			
52/ 51																				4	115			
50/ 49																					83			
48/ 47																					43			
46/ 45																					48			
44/ 43																					24			
42/ 41																					12			
40/ 39																					7			
36/ 35																					5			
TOTAL	.2	1.9	3.8	5.1	7.9	10.3	14.9	18.6	17.1	11.3	5.6	1.9	.9	.2	.0			3255	3255	3255	3255			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ X		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum	10113794		179557		53.9		14.081		3255		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	22087150		267158		82.1		7.008		3255							91.0	84.4	61.4	5.6	93				
Wet Bulb	15786408		225916		69.4		5.721		3255							64.0	31.1	1.3	93					
Dew Point	13085625		204601		62.9		7.739		3255							35.1	8.4	.0	93					

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTGUL 36-70

AUG  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																								
102/101														.1							2	2																						
100/99													.1	.1	.0						7	7																						
98/97												.1	.2	.1	.0						11	11																						
96/95									.0	.2	.5	.7	.3	.2	.0						64	64																						
94/93						.0	.0	.3	.6	.8	.7	.3	.2	.0							98	98																						
92/91					.0	.1	.2	.9	1.3	1.3	.2	.4	.2								152	152																						
90/89					.1	.4	1.0	1.4	1.9	1.1	.8	.2	.2								229	229																						
88/87				.1	.5	.9	1.6	1.6	1.9	1.0	.6	.2	.3								279	279																						
86/85				.2	.7	1.9	1.9	2.4	1.9	1.2	.6	.2									354	354																						
84/83			.1	.4	.9	1.9	1.8	2.1	1.8	1.5	.6	.0									361	361	2																					
82/81			.1	.8	1.5	1.7	1.7	2.0	2.0	1.3	.6										379	379	14																					
80/79	.0	.1	.4	.8	1.3	1.5	1.5	2.3	1.8	.8	.3										391	351	87	11																				
78/77		.1	.4	.6	.8	1.1	1.4	1.6	1.0	.4	.2										247	247	208	36																				
76/75		.2	.5	.7	.6	1.1	1.6	1.3	.9	.3	.1										239	239	356	76																				
74/73		.3	.5	.7	.6	.8	1.1	.7	.6	.2	.1										175	175	416	172																				
72/71	.0	.4	.4	.3	.4	.6	.6	.5	.2	.0											112	112	407	250																				
70/69	.1	.4	.5	.2	.3	.5	.2	.3	.1	.0	.0										84	84	380	310																				
68/67	.1	.2	.3	.3	.2	.2	.2	.1													49	49	362	352																				
66/65	.1	.3	.1	.2	.1	.0	.1														30	30	336	309																				
64/63		.1	.3	.1	.0	.0	.0														18	18	293	277																				
62/61		.1					.1														6	6	163	259																				
60/59		.1	.0																		4	4	123	264																				
58/57																							67	239																				
56/55																						22	223																					
54/53																						10	164																					
52/51																						5	106																					
50/49																								70																				
48/47																								52																				
46/45																								48																				
44/43																								14																				
42/41																								6																				
40/39																								6																				
38/37																								3																				
36/35																								1																				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																					
Rel. Hum.																																												
Dry Bulb																																												
Wet Bulb																																												
Dew Point																																												
																					Mean No. of Hours with Temperature																							
																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F																				
																					≥ 80 F	≥ 93 F	Total																					

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

## 3

AUG  
MONTH

~~1500-1~~  
HOURS 11 5

USAFETAC FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

36-70

AUG  
MONTH

PAGE 1 1800-2000  
HOURS (L - S - T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point								
96/ 95											.1							3	3										
94/ 93										.1	.0							3	3										
92/ 91							.0	.2	.1	.1	.0							11	11										
90/ 89					.0	.0	.3	.2	.1	.1	.0	.1						27	27										
88/ 87					.0	.3	.8	.5	.1	.0	.0	.0						58	58										
86/ 85				.2	.5	1.1	.7	.5	.4	.1	.0							09	109										
84/ 83		.0	.1	.6	1.2	1.5	.8	.6	.3	.1	.0							167	167										
82/ 81		.0	.4	1.4	2.2	1.7	1.5	.6	.3	.1								262	262	3									
80/ 79	.0	.2	1.7	2.2	2.3	2.3	1.5	.7	.4	.1	.0							361	361	25	5								
78/ 77		.6	1.9	2.3	2.4	1.5	1.2	.6	.3	.0								341	341	102	22								
76/ 75	.0	.7	2.4	2.2	2.5	2.2	1.2	.8	.0	.1								379	379	262	81								
74/ 73		1.1	2.2	2.7	2.5	1.7	.9	.3	.1									365	365	328	195								
72/ 71	.0	1.5	1.6	2.2	1.8	1.7	.6	.3	.0	.0								311	311	381	298								
70/ 69	.2	1.1	1.5	1.9	2.0	1.3	.5	.2										272	272	443	330								
68/ 67	.2	.4	1.0	1.9	1.3	.9	.3	.0	.0									190	190	344	354								
66/ 65	.1	.4	1.4	1.0	.9	.4	.2	.0										140	140	352	301								
64/ 63	.0	.5	.7	.6	.4	.2	.1	.0										81	81	286	295								
62/ 61		.4	.4	.4	.2	.2	.0	.0										51	51	274	294								
60/ 59			.2	.4	.1	.0												21	21	174	268								
58/ 57			.1	.2														8	8	94	220								
56/ 55			.1															2	2	52	172								
54/ 53				.0														1	1	26	120								
52/ 51			.0															1	1	13	81								
50/ 49																				3	58								
48/ 47																				2	36								
46/ 45																					18								
44/ 43																					8								
42/ 41																					4								
40/ 39																					1								
38/ 37																					3								
TOTAL	.7	7.0	15.6	20.1	20.3	17.0	10.4	5.6	2.3	.7	.3	.1						3164	3164		3164								
																		3164		3164									
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No Obs.			Mean No. of Hours with Temperature													
Rel. Hum.	15733919			219223			69.3			13.122			3164			≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	17982509			237670			75.1			6.397			3164							84.0		61.3		23.8		.2		93	
Wet Bulb	14617631			214291			67.7			5.738			3164							55.5		21.2		.3				93	
Dew Point	13058938			202052			62.9			7.022			3164							37.8		8.9		.1				93	

USAFETAC FORM 0-26.5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

AUG  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85					.0	.0	.1											5	5						
84/ 83				.1	.1	.2	.3											19	19						
82/ 81			.1	.4	.6	.4	.2											51	51						
80/ 79		.2	.3	1.0	.7	.2	.1	.1	.0									94	94	3					
78/ 77		.7	2.3	2.0	.8	.4	.1		.0									189	189	15	5				
76/ 75		2.4	3.5	2.3	1.3	.4	.2	.2										304	304	93	33				
74/ 73	.2	3.1	3.5	2.5	1.4	.7	.3											342	342	236	135				
72/ 71	.4	3.6	4.0	2.9	1.4	.6	.2											384	384	322	226				
70/ 69	.3	3.1	4.2	3.0	1.2	.6	.0											366	366	350	344				
68/ 67	.6	2.5	2.9	2.6	1.2	.4	.1											331	331	343	309				
66/ 65	.2	1.9	4.4	2.6	.8	.3	.0	.0										304	304	357	286				
64/ 63		1.4	3.4	1.7	.6	.1												214	214	293	300				
62/ 61	.1	1.4	1.4	1.3	.3	.1												134	134	309	292				
60/ 59	.0	.8	1.6	.9	.4	.1												113	113	253	267				
58/ 57		.4	.8	.3	.1	.1												51	51	142	229				
56/ 55		.1	.6	.2	.0													26	26	120	184				
54/ 53		.1	.2	.0														9	9	52	128				
52/ 51		.0	.1															4	4	38	79				
50/ 49			.0															1	1	12	65				
48/ 47			.0															1	1	2	34				
46/ 45																				2	12				
44/ 43																					6				
42/ 41																					7				
40/ 39																					1				
TOTAL	1.9	21.7	34.9	23.9	11.1	4.5	1.6	.3	.0	.0								2942	2942	2942	2942				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel Hum	19093173		235039		79.9		10.360		2942		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	14432569		205331		69.8		5.886		2942				65.9		31.7		3.5						93		
Wet Bulb	12717217		192657		65.5		5.862		2942				43.1		11.0								93		
Dew Point	11843250		185616		63.1		6.709		2942				33.3		5.5								93		

USAF ETAC FORM 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

SEP

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

SEP

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

YEARS

SEP

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
88/ 87								.0										1	1															
86/ 85								.1	.0									4	4															
84/ 83						.0	.1	.0	.0									3	5															
82/ 81			.0		.1	.1		.1										10	10															
80/ 79			.0	.4	.2	.2	.2	.2										41	41															
78/ 77			.6	.3	.4	.2	.2	.1										60	60	1	1													
76/ 75		.3	.6	.6	.5	.3	.3											82	82	7	1													
74/ 73		.7	1.0	.7	.4	.3	.1	.0	.1			.0						107	107	52	11													
72/ 71	.2	1.6	1.5	1.1	.6	.3	.1			.0								173	173	93	70													
70/ 69	.2	2.2	1.7	1.2	.7	.4	.2	.0	.0									207	207	150	98													
68/ 67	.5	2.5	1.7	1.0	.8	.3	.2											222	222	208	165													
66/ 65	.7	2.5	1.9	1.2	.8	.4	.2	.0	.0									245	245	231	200													
64/ 63	.4	2.6	1.9	1.6	.9	.4	.3	.0										253	253	207	176													
62/ 61	.3	2.3	1.7	1.1	.8	.2												209	209	202	208													
60/ 59	.2	3.0	2.3	1.6	.6	.2	.0											250	250	241	170													
58/ 57	.3	2.3	1.9	1.7	.6	.2												223	223	262	241													
56/ 55	.3	2.7	3.0	1.7	.4	.0												254	254	220	225													
54/ 53	.3	1.9	2.0	1.2	.2	.1	.0											176	176	258	212													
52/ 51	.1	2.2	2.0	1.3	.2	.0	.0											186	186	230	194													
50/ 49	.1	1.7	1.6	.6	.1													132	132	227	230													
48/ 47	.0	1.3	1.5	.4	.0													103	103	160	218													
46/ 45	.1	1.3	.8	.2	.0													74	74	137	205													
44/ 43	.1	1.0	.6	.0	.0													54	54	96	129													
42/ 41	.0	.7	.3	.1														35	35	69	137													
40/ 39		.5	.3															28	28	42	102													
38/ 37		.3	.1	.0														12	12	32	59													
36/ 35			.0															1	1	17	42													
34/ 33		.0																1	1	1	25													
32/ 31		.0																1	1	3	14													
30/ 29																				1	7													
28/ 27																					3													
26/ 25																					3													
22/ 21																					1													
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature																		
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

36-70

SEP  
MONTH

0500-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

36-70

SEP

0900-1100  
HOURS (L. S. T.)

JSAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

36-70

SEP  
MONTH

PAGE 2 3500-1100  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
30 / 29																					20
28 / 27																					1
26 / 25																					1
24 / 23																					1
TOTAL	1.0	6.3	8.7	11.5	14.6	17.0	16.2	11.2	7.1	3.2	2.0	.8	.2		.0				3147	3147	3147
																			3147	3147	
																	</				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14006 CHANDLER AFB ILLINOIS/RAVENS

16-70

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
100/ 99											.0		.0	.0	.1	.1		8	8								
98/ 97													.3	.2	.0	.0		16	16								
96/ 95										.0	.1	.3	.2	.2	.0	.1		21	21								
94/ 92								.0	.1	.1	.3	.2	.2	.1				31	31								
92/ 91								.2	.6	.3	.2	.4	.3	.1				67	67								
90/ 89						.0	.2	.6	.7	.5	.8	.4	.6	.0	.0			122	122								
88/ 87				.0		.1	.8	.9	1.1	.9	.6	.5	.4	.0				173	173								
86/ 85				.1	.1	.6	.5	1.2	1.2	1.0	1.0	.3	.2	.1				196	196								
84/ 83			.0		.1	.6	.9	.9	1.0	.7	.6	.2	.1					166	166								
82/ 81				.1	.4	.9	1.0	1.4	1.2	1.2	.4	.2	.1					219	219	1							
80/ 79			.2	.3	.5	.8	.9	1.0	1.0	1.0	.0	.3	.1	.0				216	216	9	2						
78/ 77			.1	.4	1.0	.9	.9	1.2	1.1	.8	.5	.2	.0					220	220	30	3						
76/ 75	.0	.2	.3	.6	.7	.9	1.0	1.2	1.5	1.6	.7	.1						278	278	120	9						
74/ 73		.3	.7	.4	.7	.8	.9	1.3	1.7	1.5	.3							266	266	108	32						
72/ 71	.0	.5	.4	.4	.3	.6	.9	1.3	1.0	.7	.1	.1						198	198	237	82						
70/ 69	.1	.5	.6	.2	.4	.5	1.1	1.4	1.2	.1	.1							196	196	306	142						
68/ 67		.5	.3	.3	.5	.7	1.2	1.2	.8	.2	.0							183	183	279	178						
66/ 65		.2	.2	.3	.5	.8	1.1	1.1	.1	.1								141	141	277	199						
64/ 63	.1	.4	.6	.1	.4	.6	1.0	.7	.2									126	126	222	174						
62/ 61		.4	.2	.2	.3	.4	.9	.4	.1									91	91	216	210						
60/ 59	.1	.4	.3	.4	.3	.3	.3	.1										72	72	261	204						
58/ 57		.2	.2	.2	.3	.2	.3	.0										44	44	282	180						
56/ 55	.0	.3	.1	.1	.1	.3	.2											23	23	238	195						
54/ 53		.2	.1	.1	.2	.1	.0	.1										25	25	176	182						
52/ 51		.2	.2	.0	.1	.1	.0											20	20	134	200						
50/ 49		.2			.0	.1												10	10	71	172						
48/ 47		.2	.0			.0												7	7	59	185						
46/ 45		.0																1	1	30	182						
44/ 43		.0																1	1	12	146						
42/ 41																				6	139						
40/ 39																				5	115						
38/ 37	.0																	1	1	1	82						
36/ 35	.0	.0																2	2	1	44						
34/ 33																				1	20						
Element (Y)	ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX		ΣX						
Rel. Hum.																											
Dry Bulb																											
Wet Bulb																											
Dew Point																											
Mean No. of Hours with Temperature																											
																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total

USAFETAC 0-26-5 (OL A) 11 64

## PSYCHROMETRIC SUMMARY

14800 CHANUTE AFB ILLINOIS/KRANTZ  
STATION STATION NAME

36-70

SEP  
MONTH

PAGE 2 3200-1400  
HOURS: (11 5 7)

[illegible]

## PSYCHROMETRIC SUMMARY

36-70

SEP

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
100/ 99															.0	.1			3	3													
98/ 97														.1	.1	.1			10	10													
96/ 95												.2	.2	.2	.0	.1			15	15													
94/ 93								.0	.0	.2	.3	.3	.2	.0					34	34													
92/ 91							.0	.1	.2	.6	.2	.3	.3						54	54													
90/ 89							.2	.6	.5	.5	.5	.4	.4	.0					97	97													
88/ 87						.0	.4	.7	.7	.9	.6	.3	.2	.0					124	124													
86/ 85				.0	.1	.3	.4	1.0	1.0	.8	.7	.4	.1	.0					153	153													
84/ 83				.0	.6	.5	.7	1.0	1.0	.9	.6	.3	.1						162	162													
82/ 81				.2	.3	1.0	1.4	1.1	1.0	1.3	.5	.2	.1						225	225													
80/ 79			.1	.4	.5	1.1	1.2	1.0	1.2	.8	.7	.3	.1	.0					233	233	3												
78/ 77		.0	.3	.6	1.0	.8	.9	.8	1.4	1.0	.7	.3	.0						249	249	25	1											
76/ 75		.3	.2	.7	1.0	.8	.8	1.3	1.5	1.4	.8	.0							276	276	104	7											
74/ 73		.3	.3	.8	.5	.8	1.2	1.6	1.2	1.3	.2	.1							259	259	156	40											
72/ 71	.1	.5	.3	.4	.5	.4	.9	1.2	1.4	.4	.1								198	198	207	74											
70/ 69	.1	.8	.3	.5	.6	.6	1.1	1.4	1.0	.3	.1								214	214	313	124											
68/ 67	.1	.7	.4	.3	.6	.6	1.0	1.0	.6	.2									177	177	289	162											
66/ 65	.0	.5	.2	.4	.6	.8	1.2	1.1	.6	.1									172	172	252	218											
64/ 63	.0	.5	.4	.3	.5	.4	.7	.9	.2										124	124	254	193											
62/ 61	.0	.3	.2	.3	.4	.7	.7	.3	.1										96	96	242	203											
60/ 59		.7	.3	.1	.4	.6	.4	.4	.0										88	88	270	178											
58/ 57		.5	.1	.3	.3	.1	.3	.1											50	50	270	192											
56/ 55	.0	.3	.1	.2	.2	.2	.1	.1											37	37	251	198											
54/ 53		.2	.1	.2	.3	.2	.1	.0											34	34	163	215											
52/ 51	.0	.1	.1	.3	.1	.1		.0											21	21	139	196											
50/ 49		.3	.1	.0		.1													15	15	89	167											
48/ 47					.0														1	1	49	165											
46/ 45																					42	170											
44/ 43		.1																	2	2	15	163											
42/ 41		.0																	1	1	6	137											
40/ 39																					5	98											
38/ 37																						97											
36/ 35	.1																		3	3	3	59											
34/ 33																						23											
Element (X)	Σ x'			Σ x			x̄			s <sub>r</sub>			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.																≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total											
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

3

## YEARS

36-70

SEP  
MONTH

1500-1700  
HOURS (L. S. Y.)

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL

36-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point						
92/ 91											.0	.0	.0					3	3								
90/ 89							.0	.1	.1	.1	.1	.0						10	10								
88/ 87							.0	.0	.1	.1	.0	.0						10	10								
86/ 85							.1	.3	.2	.1	.2	.1	.0					30	30								
84/ 83					.2	.3	.3	.3	.2	.1								41	41								
82/ 81			.0	.1	.5	.5	.4	.5	.2	.1	.0							71	71								
80/ 79		.0	.3	.5	.6	.8	.7	.5	.2	.1	.1							117	117								
78/ 77		.0	.5	.7	1.0	.8	.9	.5	.3	.1	.1							150	150		3						
76/ 75		.2	.6	.9	1.2	1.4	.8	.4	.2	.2	.0							180	180	26	2						
74/ 73	.0	.7	.8	1.8	1.1	.9	.9	.3	.4	.1								222	222	102	28						
72/ 71	.2	1.0	1.5	1.4	1.4	.9	1.0	.5	.2									245	245	128	91						
70/ 69	.1	1.2	1.4	1.4	1.2	1.3	1.0	.7	.2	.1								264	264	212	96						
68/ 67	.1	1.4	1.3	1.1	1.3	1.6	1.0	.7	.1									264	264	240	177						
66/ 65	.1	1.7	1.1	1.3	1.7	1.4	.6	.5	.0									258	258	274	172						
64/ 63	.0	1.0	1.4	1.4	1.8	1.3	1.0	.3										245	245	228	225						
62/ 61		.8	1.0	1.4	1.6	1.4	.6	.1	.0									212	212	234	197						
60/ 59	.1	.9	.9	1.7	1.5	1.0	.4	.1										200	200	247	202						
58/ 57	.1	.7	1.2	1.2	1.1	1.0	.1	.0										163	163	268	205						
56/ 55	.0	.6	.9	1.4	1.0	.4	.1	.0										136	136	253	206						
54/ 53	.0	.2	.4	.9	.7	.1												72	72	230	200						
52/ 51		.4	.6	.8	.7	.1	.0											80	80	195	214						
50/ 49		.3	.2	.4	.5													45	45	151	181						
48/ 47		.2	.3	.3	.0	.1	.1											27	27	118	189						
46/ 45		.0	.2	.1	.0													12	12	72	169						
44/ 43		.0	.1	.0														6	6	42	147						
42/ 41		.1		.1														5	5	29	109						
40/ 39				.0														1	1	8	112						
38/ 37		.0																1	1	6	55						
36/ 35	.0																	1	1	4	51						
34/ 33	.0																	1	1	1	29						
32/ 31																					11						
30/ 29																					5						
28/ 27																					5						
26/ 25																					1						
Element (X)	$\Sigma x^2$			$\Sigma x$			$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature														
Rel Hum													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

齊

SEP  
MONTH

1800-2000  
HOURS (L. & T.)

[illegible]

JSAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

YEARS

SEP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-6	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
84/ 83										.1								2	2								
82/ 81				.1	.1	.1	.0	.1										11	11								
80/ 79				.3	.3	.2	.1	.1	.1	.0								31	31								
78/ 77		.0	.4	.7	.2	.3	.2		.0									52	52								
76/ 75		.2	.9	1.0	.8	.4	.2	.1										103	103	7							
74/ 73		.5	1.0	.9	.5	.3	.1	.0	.0									100	100	37	9						
72/ 71	.3	1.3	1.9	1.2	1.2	.3	.3											190	190	93	61						
70/ 69	.5	2.3	2.2	1.8	.9	.3	.2	.1	.1									242	242	129	99						
68/ 67	.2	1.7	1.6	2.0	.8	.6	.1	.1										202	202	211	150						
66/ 65	.5	2.2	2.4	2.0	1.0	.5	.1											248	248	206	163						
64/ 63	.1	1.6	1.9	1.8	1.2	.6	.3	.0										214	214	201	154						
62/ 61	.1	1.9	1.8	1.7	1.2	.8	.1											214	214	215	186						
60/ 59	.3	1.8	2.3	2.1	1.0	.5	.3											235	235	213	213						
58/ 57	.1	2.3	2.7	1.9	1.0	.4	.1											241	241	241	197						
56/ 55	.2	2.0	2.7	1.6	.7	.2												212	212	232	198						
54/ 53	.0	1.3	2.6	1.8	.6													182	182	244	192						
52/ 51		.8	1.7	1.0	.2	.0												106	106	203	208						
50/ 49		.7	1.9	.7	.2	.0												101	103	182	194						
48/ 47	.1	.3	1.2	.9	.1													80	80	169	189						
46/ 45		.5	.4	.8	.1													49	49	112	149						
44/ 43		.2	.4	.1	.0													22	22	64	134						
42/ 41		.2	.2	.0	.0													13	13	46	129						
40/ 39	.0		.1	.1														7	7	41	97						
38/ 37	.0	.0	.0	.1														5	5	7	55						
36/ 35																				5	46						
34/ 33																				3	29						
32/ 31																				1	7						
30/ 29																					7						
28/ 27																					1						
26/ 25																					4						
24/ 23																					1						
TOTAL	2.4	21.9	30.5	24.3	12.0	5.6	2.3	.6	.3	.1								2862		2862							
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ						
Rel Hum.	17173020		218600		76.4		12.826		2861		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F						
Dry Bulb	11222123		177633		62.0		8.458		2864						29.3		9.4		1.0								
Wet Bulb	9655700		164540		57.5		8.278		2862						.0		15.0		1.4								
Dew Point	8667032		155110		54.2		9.544		2862						.6		10.0		.3								

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

36-65

DC T  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
74/ 73		.0	.2																5	5													
72/ 71		.3	.2																12	12	4												
70/ 69	.0	.5	.0	.1															17	17	14	15											
68/ 67	.0	.9	.3	.2															38	38	70	14											
66/ 65	.3	1.4	.3	.2	.0		.0												57	57	36	27											
64/ 63	.3	.9	.6	.2	.1	.2	.0		.0										64	64	55	47											
62/ 61	.3	1.9	.4	.5	.1	.3													91	91	49	56											
60/ 59	.6	1.9	.7	.3	.2	.1	.0												104	104	93	67											
58/ 57	.5	2.4	1.3	.7	.3	.1													142	142	90	73											
56/ 55	.8	2.9	2.0	.9	.6	.0													189	189	122	91											
54/ 53	.3	2.5	1.7	.9	.5	.1													158	158	141	113											
52/ 51	.4	2.6	1.9	.9	.5	.0													170	170	156	120											
50/ 49	.5	2.6	3.5	.8	.1	.1	.0												198	198	166	133											
48/ 47	.3	3.2	3.4	.8	.3	.1													214	215	190	132											
46/ 45	.6	4.1	2.3	1.0	.2														225	225	243	173											
44/ 43	.5	3.1	3.0	.6	.1	.1													194	194	239	222											
42/ 41	.3	3.0	2.9	.5	.0		.0												180	180	188	216											
40/ 39	.5	3.8	1.8	.3	.0	.0													172	172	205	223											
38/ 37	.2	2.8	1.8	.3															135	135	182	164											
36/ 35	.3	1.9	.7	.2	.0														82	82	147	188											
34/ 33	.2	1.2	.9	.2															65	65	91	159											
32/ 31	.0	1.3	.8																56	56	56	98											
30/ 29	.2	.9	.3																36	36	85	105											
28/ 27	.1	.4	.1																16	16	41	53											
26/ 25	.1	.2																	8	8	13	53											
24/ 23		.2	.0																6	6	7	36											
22/ 21		.0																	1	1	6	22											
20/ 19																					1	2											
18/ 17																						9											
16/ 15																						11											
14/ 13																						3											
12/ 11																						1											
8/ 7																						1											
Element (X)	Σ x <sup>2</sup>			Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of hours with Temperature																					
Rel. Hum.												≤ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

USAFETAC FORM 0265 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DC T  
10NIM

\_\_\_\_\_  
YEARS

HOURS (L. S. Y.)

[illegible]

USAFETAC  
MEM  
0 20-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

001  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM G 26-5 (QLA) \*ENTER PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

56-70

YEARS

OCT  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

JSAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.





## PSYCHROMETRIC SUMMARY

Y/ARS

06.7  
MONTH

1200-1400  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

JSAFETAC FORM 0-26-5 (OLA) 11 11 11

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

3

43

100

DEC  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

22

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

284

USAFETAC

## PSYCHROMETRIC SUMMARY

36-70

DEC  
MONTH

PAGE 1 1800-2000  
HOURS (L S T)

[illegible]

USAFETAC FORM 0 26 5 (O: A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000  
HOURS (L S T)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26 5 (QL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHOL

36-70

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
82/ 81						.0	.0											2	2					
80/ 79						.0												1	1					
78/ 77					.1													2	2					
76/ 75				.1		.0												5	5					
74/ 73			.3		.0													10	10					
72/ 71		.1	.1	.1	.1	.1	.0											14	14					
70/ 69	.0	.7	.5	.0	.1	.1		.1										67	67	21	12			
68/ 67	.0	.4	.4	.4	.4	.1	.1	.1										67	60	32	21			
66/ 65	.3	1.1	.8	.8	.2	.4	.1	.0										112	112	38	40			
64/ 63	.2	1.2	1.2	1.0	.6	.4	.4											148	148	80	49			
62/ 61	.2	1.6	1.2	1.4	.6	.7	.3	.0										180	180	97	73			
60/ 59	.2	1.6	1.6	1.3	1.2	.7	.2	.0										203	203	123	87			
58/ 57	.2	1.4	1.0	1.5	1.4	.8	.0	.0										188	188	154	100			
56/ 55	.2	1.4	1.7	2.0	1.1	.8		.0										215	215	166	131			
54/ 53	.3	1.9	1.7	2.1	.8	.5	.1											222	222	174	124			
52/ 51	.2	1.3	2.2	2.0	.8	.1	.1	.0										203	203	233	137			
50/ 49	.2	1.5	3.0	2.3	1.1	.2	.0											253	253	205	162			
48/ 47		1.8	2.4	2.3	.7	.0												217	217	267	150			
46/ 45	.2	2.2	2.4	2.2	.5	.1												225	225	259	198			
44/ 43	.3	2.0	2.5	1.0	.5													191	191	261	262			
42/ 41	.1	1.0	2.3	1.0	.1	.0												135	135	233	241			
40/ 39	.0	1.2	2.2	.5	.1	.0												120	120	186	239			
38/ 37	.0	1.1	1.2	.5	.0													85	85	159	191			
36/ 35	.1	.5	.9	.2														49	49	118	203			
34/ 33		.4	.8	.1														39	39	59	165			
32/ 31	.1	.3	.3															27	27	60	109			
30/ 29	.1	.4	.2	.1														23	23	35	103			
28/ 27		.1	.1															4	4	24	52			
26/ 25			.0															1	1	9	65			
24/ 23																				2	38			
22/ 21																					74			
20/ 19																					11			
18/ 17																								
16/ 15																								
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature													
Rel Hum											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC 0 26 5 (OL A) REVS 7 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

56-70

YEARS

361  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200

HOURS (L S T)

[illegible]



## PSYCHROMETRIC SUMMARY

36-623

NOV  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTJUL

26-62

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
66/ 65		.0																1	1				
64/ 63		.2	.2															8	8	2			
62/ 61	.2	.5	.2	.0	.0													22	22	13	7		
60/ 59	.1	.2	.1	.3	.1													29	29	16	14		
58/ 57	.5	.4	.2	.3	.0													34	34	29	27		
56/ 55	.7	.6	.2	.2														43	43	39	30		
54/ 53	.3	.6	.5	.2	.0													36	36	40	24		
52/ 51	.5	1.2	.6	.3	.1													62	62	37	46		
50/ 49	.4	1.3	.4	.3	.1													59	59	52	41		
48/ 47	.5	1.6	1.2	.2	.1													87	87	58	46		
46/ 45	.6	1.7	1.3	.3	.1													94	94	84	66		
44/ 43	.4	2.2	1.6	.7	.0													120	120	85	66		
42/ 41	.7	2.1	1.6	.2														112	112	112	88		
40/ 39	.6	2.6	2.1	.5	.0													141	141	132	101		
38/ 37	.8	3.4	1.6	.5														151	151	134	98		
36/ 35	.6	6.3	2.1	.3														223	223	161	117		
34/ 33	.7	4.7	2.4	.1														190	190	223	171		
32/ 31	.9	6.5	2.0															224	224	194	210		
30/ 29	1.1	4.8	1.7															182	182	246	220		
28/ 27	1.0	3.0	.3															105	105	187	132		
26/ 25	1.3	4.6	.7															156	156	147	191		
24/ 23	.6	2.7	.1															81	81	107	160		
22/ 21	.4	2.5	.0															69	69	86	136		
20/ 19	.5	1.9	.1															38	58	70	77		
18/ 17	.2	.7																22	22	46	69		
16/ 15	.3	.8																24	24	19	75		
14/ 13	.1	.5																16	16	19	52		
12/ 11	.3	.3																12	12	19	39		
10/ 9	.4	.3																15	15	12	12		
8/ 7	.2																	4	4	9	30		
6/ 5																					13		
4/ 3	.0	.2																6	6	5	0		
2/ 1	.0	.0																2	2	2			
0/ -1	.1	.0																3	3	3			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs		Mean No. of Hours with Temperature												Total		
Rel. Hum.									$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$									
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC -084 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YEARS \_\_\_\_\_ NOV  
 MONTH \_\_\_\_\_  
 PAGE 2 0300-0900  
 HOURS (L. S. T.) \_\_\_\_\_

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point									
-2/-3		.0																1	1	2	3									
-4/-5																					4									
-6/-7																					4									
-8/-9																					3									
-10/-11																					1									
TOTAL	14.8	59.0	21.2	4.3	.8														2392		2392									
																		2392		2392										
Element (X)	Z <sub>X'</sub>	Z <sub>X</sub>	X̄	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature							Total																	
Rel. Hum.	16724834	198446	83.0	10.317	2391	≤ 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F																			
Dry Bulb	3297038	84962	35.5	10.807	2392	.2	36.9					90																		
Wet Bulb	2977621	80581	33.7	10.488	2392	.2	44.1					90																		
Dew Point	2576650	73464	30.7	11.575	2392	.6	54.4					90																		

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NDV  
MONTH

YEARS

USAF:TC FORM 0-26.5 (1) A1 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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[illegible]

## PSYCHROMETRIC SUMMARY

36-70

NOV  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (CL A)  
REV. 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26 5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## YEARS

26-72

NOV  
MONTH

PAGE 1 1200-1400  
HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

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NOV  
MONTH

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
80/ 79								.0										1	1			
78/ 77								.1	.0									3	3			
76/ 75					.0	.0			.0									3	3			
74/ 73				.0	.1	.0	.0	.1	.0	.0								10	10			
72/ 71			.1		.1	.1	.1	.1			.0							15	15			
70/ 69			.1	.2	.3	.3	.2	.1	.1	.0	.0							44	44			
68/ 67			.1	.4	.4	.3	.1	.3		.0								51	51	5		
66/ 65	.1	.1	.2	.3	.2	.2	.3	.2	.0									48	48	16	5	
64/ 63	.0	.3	.3	.3	.3	.3	.3	.2	.0									67	67	18	8	
62/ 61	.1	.5	.2	.3	.3	.4	.2	.1	.0	.0								68	68	53	18	
60/ 59	.2	.5	.3	.2	.6	.4	.5	.2	.1									93	93	68	43	
58/ 57	.1	.7	.7	.3	.7	.7	.4	.2										117	117	74	53	
56/ 55	.1	.7	.4	.8	.9	.9	.3	.1										134	134	64	58	
54/ 53	.1	.8	.7	.8	1.1	.7	.5											148	148	106	56	
52/ 51	.2	.7	.7	1.0	1.6	.6	.2											151	151	98	72	
50/ 49	.3	.8	1.2	1.1	1.3	.7	.1											179	179	138	74	
48/ 47	.1	1.0	1.5	1.3	1.4	.8	.1											192	192	145	69	
46/ 45	.2	1.4	1.8	1.8	1.5	.5	.1											226	226	211	115	
44/ 43	.3	1.2	1.7	2.2	1.0	.2	.1											214	214	220	134	
42/ 41	.3	1.1	2.2	1.8	.8	.2												203	203	234	141	
40/ 39	.3	1.1	2.1	2.1	.8	.1												201	201	235	184	
38/ 37		1.1	2.1	1.8	.3													165	165	235	170	
36/ 35	.3	1.9	2.6	1.4	.1													198	198	228	207	
34/ 33	.2	2.3	1.6	.4	.1													140	140	229	186	
32/ 31	.3	1.5	1.7	.4														122	122	243	250	
30/ 29	.0	1.2	1.4	.3														91	91	126	289	
28/ 27	.2	1.2	1.2	.0														82	82	108	168	
26/ 25	.1	.9	.9															57	57	88	188	
24/ 23	.1	.8	.4															42	43	73	159	
22/ 21	.0	.7	.2															29	31	49	146	
20/ 19		.4	.0															14	14	32	73	
18/ 17		.3	.1															12	12	14	73	
16/ 15	.1	.3	.0															11	11	13	68	
14/ 13	.1	.1	.0															6	6	10	56	
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

36-70

NOV  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (O.L.A.)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

<u>14806</u>	<u>CHANUTE AFB ILLINOIS/RANTOUL</u>
STATION	STATION NAME

36-70

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/KANTOUL

36-70

NOV  
MONTH

PAGE 1 2300-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point			
70/ 69				.0														1	1				
68/ 67					.0													1	1				
66/ 65			.1	.2														6	8				
64/ 63	.1	.3	.3	.2	.1													27	27	4			
62/ 61	.1	.3	.3	.1	.3	.0		.0										40	40	14			
60/ 59	.1	.6	.4	.2	.2			.0										50	50	32			
58/ 57	.2	.5	.4	.3	.1	.1												52	52	46			
56/ 55	.3	1.0	.5	.2	.2	.0	.0											74	74	57			
54/ 53	.3	.8	.4	.3	.4	.1	.1											75	75	75			
52/ 51	.3	.8	.6	.9	.3	.1												94	94	60			
50/ 49	.2	1.1	1.1	1.0	.1	.2												120	120	61			
48/ 47	.2	1.4	1.5	.5	.2	.0												122	122	88			
46/ 45	.5	1.7	1.5	.9	.2													149	149	158			
44/ 43	.3	2.2	2.0	.9	.2	.0												178	178	146			
42/ 41	.9	2.4	2.2	.7	.1													193	193	181			
40/ 39	.2	3.2	2.6	.7	.1													214	214	192			
38/ 37	.3	3.4	2.5	.8	.1													223	223	221			
36/ 35	.3	4.2	3.1	.8														266	266	233			
34/ 33	.7	4.4	2.7	.3														255	255	250			
32/ 31	.9	4.9	3.0	.2														285	285	309			
30/ 29	.6	4.3	1.6	.0														204	204	278			
28/ 27	.3	3.1	.9															135	135	236			
26/ 25	.4	2.5	.6															109	109	146			
24/ 23	.2	1.5	.4															66	66	91			
22/ 21	.1	1.7	.2															62	62	72			
20/ 19	.2	1.1	.1															44	44	81			
18/ 17	.1	.4	.0															17	17	21			
16/ 15	.1	.9	.0															32	32	20			
14/ 13	.1	.4																18	18	33			
12/ 11	.0	.3																12	12	15			
10/ 9	.1	.1																7	7	11			
8/ 7	.1	.1																5	5	6			
6/ 5	.1	.1																3	3	2			
4/ 3	.0	.0																2	2	4			
Element (X)	Σ X'			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature							
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2100-2300  
HOURS (L. S. T.)

[illegible]

FORM 0-26.5 (OL A)  
JSAFETAC  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

36-63

DEC  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM  
JUL 64

USAFETAC



## PSYCHROMETRIC SUMMARY

14806  
STATION

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-63

YEARS

DEC  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-8/-9	.0																	1	1	2	18			
-10/-11	.1																	3	3	3	14			
-12/-13																					12			
-14/-15																					5			
-16/-17																					3			
-18/-19																					1			
-20/-21																					5			
TOTAL	26.3	60.4	11.8	1.3	.1	.1													2528		2528			
																		2528		2528				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL 35-62

\_\_\_\_\_  
YEAR

PAGE 1 0300-0500  
HOURS (L. S. - T.)

[illegible]

USAF/AFAC FORM 0-20-5 (CLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

YFARS

PAGE 2

0300-0500  
HOURS (L. S. T.)

[illegible]

JSAFETAC  
F-38M  
U.S. 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

14806  
STATION

CHANUTE AFB ILLINOIS/RANDOL  
STATION NAME

36-70  
YEARS

DEC  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL T.B. W.B.		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30			Dry Bulb	Wet Bulb	Dew Point												
64/ 63			.0																1	1													
62/ 61		.1																	2	2	2	2											
60/ 59	.0	.2	.2																12	12	3												
58/ 57	.1	.2																	8	8	10	10											
56/ 55	.1	.4	.1																15	15	11	7											
54/ 53	.1	.3	.1																15	15	16	19											
52/ 51	.1	.5																	18	18	18	13											
50/ 49	.2	.6	.0																27	27	20	19											
48/ 47	.2	.6	.4	.3	.1														50	50	25	27											
46/ 45	.5	.3	.3	.1	.0														36	36	36	33											
44/ 43	.5	.4	.2	.1															36	36	44	28											
42/ 41	.6	.6	.5																54	54	45	42											
40/ 39	.4	1.5	.4	.1															73	73	59	35											
38/ 37	1.1	1.7	.7	.2															116	116	97	82											
36/ 35	1.6	3.1	.8	.0															173	173	129	106											
34/ 33	1.8	5.4	.7																250	250	210	130											
32/ 31	2.0	5.4	1.4																270	270	262	200											
30/ 29	1.6	5.9	1.3	.1															274	274	241	243											
28/ 27	1.5	5.4	.6																237	234	288	162											
26/ 25	1.8	4.6	.3																206	206	252	197											
24/ 23	1.3	4.8	.2																193	193	199	228											
22/ 21	1.3	4.0	.2																170	170	178	201											
20/ 19	1.4	3.4																	147	148	176	173											
18/ 17	1.3	2.7	.1																126	128	137	177											
16/ 15	1.1	2.6	.0																115	116	115	169											
14/ 13	.7	1.8																	78	78	92	120											
12/ 11	.5	1.7	.0																69	69	73	128											
10/ 9	.9	1.0																	57	57	64	68											
8/ 7	.7	1.2																	58	58	63	70											
6/ 5	.9	.7																	49	50	50	73											
4/ 3	.6	.4																	29	30	35	53											
2/ 1	.6	.6																	37	38	36	52											
0/ -1	1.0	.1																	32	33	40	52											
-2/ -3	.6	.2																	24	24	21	28											
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total												
Rel. Hum.											$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq$		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

USAFETAC FORM 14 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL 36-70

DEC  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL			Dry Bulb	Wet Bulb	Dew Point	
-4/-5	.1	.1																6	9	10	34			
-6/-7	.2	.1																9	12	8	38			
-8/-9	.1	.1																7	7	8	17			
-10/-11	.1	.0																5	5	6	14			
-12/-13	.1																	4	4	4	4			
-14/-15																								
-16/-17																								
-18/-19																								
-20/-21																								
-22/-23																								
-24/-25																								
TOTAL	27.6	62.8	8.6	.8	.1													3083	3099	3083	3082			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											Total		
Rel. Hum.	21781717		257097		83.4		10.319		3081		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb	2571529		81167		26.2		11.993		3099		2.8	66.4									93			
Wet Bulb	2364787		77519		25.1		11.613		3083		2.9	71.1									93			
Dew Point	2011342		67404		21.9		13.204		3082		6.5	76.3									93			



## PSYCHROMETRIC SUMMARY

14806  
STATIC

CHANUTE AFB ILLINOIS/RANTOUL  
STATION NAME

36-70

DEC  
MONTH

PAGE 2 0900-1100

[illegible]

USAFETA-  
FORM  
0-26-5 (CLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

36-70

YEARS

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. 5. I.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

DEC  
MONTH

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTOUL

26-70

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																													
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B. W.B.	TOTAL											
																			Dry Bulb	Wet Bulb	Dew Point									
70/ 69					.0													1	1											
68/ 67			.1		.0													3	3											
66/ 65				.1			.0											3	3											
64/ 63	.0	.0	.0			.0												4	4	3	2									
62/ 61		.1	.2	.1	.1	.0												16	16	2	2									
60/ 59	.0	.2	.1	.0	.1	.0		.0										16	16	10	2									
58/ 57		.4	.1	.2	.1	.2	.0	.0										35	35	17	9									
56/ 55	.1	.4	.1	.3	.1	.1	.1											36	36	21	27									
54/ 53	.1	.7	.2	.2	.3	.1	.0											54	54	28	15									
52/ 51	.1	.3	.3	.3	.3	.2												54	54	39	25									
50/ 49	.1	.5	.8	.6	.2	.2												78	78	39	32									
48/ 47	.3	.8	.9	.4	.4	.0												93	94	64	38									
46/ 45	.1	1.1	.6	.6	.3	.1												93	93	85	37									
44/ 43	.2	.6	1.0	.7	.2	.1												94	94	97	69									
42/ 41	.3	1.2	1.4	.6	.1	.1												118	118	92	63									
40/ 39	.6	1.3	1.8	.6	.2	.0												147	147	132	103									
38/ 37	.7	2.4	2.2	1.1	.2													214	214	152	106									
36/ 35	1.2	3.8	2.8	1.1	.2	.0												296	296	235	161									
34/ 33	1.2	4.5	3.1	.7	.2													313	313	250	206									
32/ 31	.9	4.0	2.9	1.0	.0													285	285	330	215									
30/ 29	.7	4.3	2.8	.7	.1													270	280	288	243									
28/ 27	.6	3.1	1.7	.3														183	183	289	182									
26/ 25	.3	3.3	2.0	.1														184	184	232	270									
24/ 23	.1	2.3	1.1	.2														118	118	171	199									
22/ 21	.2	2.6	.6															118	118	142	204									
20/ 19	.2	2.2	.6															96	96	136	130									
18/ 17	.3	1.5	.5															74	76	84	157									
16/ 15	.2	1.4	.3															59	59	70	160									
14/ 13	.1	1.2	.1															45	45	70	113									
12/ 11	.2	.7	.1															32	34	41	81									
10/ 9	.2	.7																31	31	38	64									
8/ 7	.1	.5																19	19	22	77									
6/ 5	.1	.4																17	17	24	57									
4/ 3	.2	.6																23	23	19	44									
Element (X)	Σ x'					Σ x					Σ					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum																					≤ 0 F					≤ 32 F				
Dry Bulb																					≤ 67 F					≤ 73 F				
Wet Bulb																					≤ 80 F					≤ 93 F				
Dew Point																										Total				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

DEC  
1964

36-70

1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



3

DEC  
MONTH

YEARS

1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14806 CHANUTE AFB ILLINOIS/RANTHUL

36-70

DEC

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
64/ 63		.0	.0															2	2	
62/ 61		.1	.1															6	6	2
60/ 59		.1	.0															4	4	7
58/ 57	.0	.2	.1			.0												12	12	4
56/ 55		.4	.1															16	16	12
54/ 53	.2	.6	.0		.0													26	26	21
52/ 51	.3	.6	.1	.1														32	32	32
50/ 49	.2	.3	.2	.2	.0													33	33	28
48/ 47	.2	.4	.4	.2	.1													42	42	18
46/ 45	.4	1.0	.6	.2														69	69	52
44/ 43	.2	1.0	.3	.1	.1													52	52	51
42/ 41	.5	1.5	.7	.1														91	91	74
40/ 39	.7	1.9	1.1	.1														120	120	95
38/ 37	.9	2.2	1.0	.3														143	143	125
36/ 35	1.4	4.4	1.6	.1														241	241	171
34/ 33	1.8	4.7	1.9	.1														272	272	240
32/ 31	1.8	5.8	1.5	.1														296	296	307
30/ 29	1.2	5.6	1.3	.2														268	268	269
28/ 27	1.3	5.3	1.3															256	256	285
26/ 25	1.4	4.5	.6															210	210	249
24/ 23	1.1	4.3	.4															187	187	220
22/ 21	.6	3.2	.5															144	144	169
20/ 19	.6	3.7	.3															149	150	144
18/ 17	.7	2.0	.2															96	96	139
16/ 15	.5	2.1																84	85	86
14/ 13	.9	1.4																64	64	87
12/ 11	.3	1.3																53	53	55
10/ 9	.4	1.3																66	67	69
8/ 7	.3	.9																41	43	49
6/ 5	.4	.4																26	26	36
4/ 3	.2	.8																35	38	26
2/ 1	.5	.4																29	29	39
0/ -1	.2	.3																16	16	15
-2/ -3	.4	.2																20	20	22
Element (X)	ΣX'		ΣX		Σ		Σ		No Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	> 67 F	< 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
-4/-5	.1																	4	5	7	30										
-6/-7	.1	.1																6	6	4	23										
-8/-9		.0																1	1	3	17										
-10/-11		.1																3	3		11										
-12/-13																				5	7										
-14/-15																					5										
-16/-17																					6										
-18/-19																					1										
-22/-23																					1										
-24/-25																					2										
TOTAL	19.9	63.5	14.6	1.8	.2	.1												3215	3224	215	3215										
									</																						

JSAFEIAC # 284  
0-26 5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

STATION

STATION NAME

YEARS

HRS IL ST I	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 24.0	26.8	34.4	45.4	55.3	65.0	68.6	67.3	59.4	50.2	36.8	27.2	46.6
	S D 12.249	10.941	10.843	9.808	8.830	7.146	5.647	5.837	8.775	9.254	10.715	11.517	18.540
	TOTAL OBS 2542	2315	2532	2418	2409	2337	2418	2418	2457	2566	2450	2539	29421
03-05	MEAN 22.9	25.8	32.9	43.6	53.6	63.3	66.6	65.3	57.8	48.2	35.5	26.5	45.4
	S D 12.555	11.260	10.766	9.753	8.723	7.076	5.736	6.033	8.935	9.430	10.807	11.587	18.260
	TOTAL OBS 2510	2286	2510	2424	2509	2427	2540	2542	2538	2636	2392	2511	29825
06-08	MEAN 22.2	25.2	33.5	46.6	58.3	68.5	71.7	69.0	60.8	49.5	35.9	26.2	47.8
	S D 13.067	11.343	11.007	10.165	9.484	7.813	6.223	6.771	9.205	9.955	10.845	11.993	20.198
	TOTAL OBS 3038	2765	3036	2944	3160	3060	3223	3230	3147	3230	3000	3099	36932
09-11	MEAN 25.8	29.7	39.6	53.9	66.0	75.9	79.7	78.0	70.9	59.4	42.1	30.4	54.5
	S D 12.583	11.111	12.106	11.383	10.493	8.460	6.538	6.864	9.502	10.666	11.417	11.600	21.887
	TOTAL OBS 3160	2879	3161	3060	3154	3057	3253	3255	3147	3254	3149	3253	37782
12-14	MEAN 29.7	33.8	43.9	58.1	69.7	79.4	83.6	82.1	75.5	64.3	46.4	34.1	38.6
	S D 12.273	11.125	13.006	12.098	10.814	8.792	6.779	7.008	9.748	11.399	12.191	11.708	22.071
	TOTAL OBS 3159	2880	3160	3060	3162	3059	3253	3255	3150	3255	3149	3251	37793
15-17	MEAN 29.2	33.8	44.1	58.4	69.5	79.2	83.5	81.9	74.6	62.8	44.6	32.8	58.1
	S D 11.887	10.780	12.905	11.824	10.631	8.812	6.705	6.890	9.578	11.072	11.824	11.287	22.091
	TOTAL OBS 3157	2880	3162	3058	3150	3060	3252	3251	3147	3292	3148	3255	37772
18-20	MEAN 26.1	30.0	39.5	53.0	64.0	73.8	77.5	75.1	66.8	55.6	40.1	29.9	52.7
	S D 11.799	10.093	11.342	10.493	9.736	8.072	6.088	6.397	8.770	9.615	10.859	11.220	20.627
	TOTAL OBS 3161	2880	3161	3060	3161	3057	3161	3164	3072	3180	3147	3245	37449
21-23	MEAN 24.5	28.0	36.4	48.4	58.6	68.1	71.5	69.8	62.0	51.9	37.9	28.4	48.3
	S D 12.204	10.490	10.838	9.870	8.866	7.207	5.471	5.886	8.498	9.313	10.778	11.514	19.168
	TOTAL OBS 3161	2880	3157	3028	2940	2849	2943	2942	2864	3001	3146	3224	36135
ALL HOURS	MEAN 25.7	29.3	38.3	51.3	62.3	72.1	75.9	74.1	66.5	55.6	40.2	29.6	51.8
	S D 12.592	11.323	12.390	11.987	11.349	9.861	8.702	8.943	11.201	11.749	11.858	11.867	21.085
	TOTAL OBS 23888	21765	23879	23052	23645	22906	24043	24057	23522	24394	23581	24377	283109



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WFT-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806

CHANUTE AFB ILLINOIS/RANTOUL

36-70

STATION

STATION NAME

YEARS

HRS ILST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	22.9	25.5	32.5	42.3	51.8	61.4	64.8	64.3	56.5	46.9	34.6	26.0	44.0
S D	12.029	10.697	10.435	9.457	8.740	7.171	5.844	5.821	8.677	9.157	10.321	11.153	17.656
TOTAL OBS	2540	2314	2532	2418	2409	2337	2418	2418	2437	2586	2450	2328	29407
03-05	22.0	24.7	31.3	41.0	50.7	60.4	63.7	62.9	55.2	45.6	33.7	25.3	43.2
S D	12.398	11.033	10.400	9.544	8.797	7.257	5.937	6.073	8.974	9.423	10.488	11.317	17.634
TOTAL OBS	2510	2285	2509	2424	2509	2427	2540	2541	2538	2635	2392	2506	29816
06-08	21.3	24.0	31.6	43.1	53.5	63.0	66.2	64.7	57.0	46.3	34.0	25.1	44.6
S D	12.840	11.133	10.560	9.536	8.699	7.063	5.618	6.184	8.709	9.607	10.511	11.613	18.606
TOTAL OBS	3026	2764	3036	2944	3159	3060	3223	3230	3147	3222	3000	3083	36900
09-11	24.2	27.4	35.7	47.2	57.1	65.9	69.0	68.3	61.5	51.8	38.3	28.4	48.1
S D	12.225	10.528	10.791	9.610	8.528	6.819	5.484	5.797	8.054	8.975	10.395	11.101	18.479
TOTAL OBS	3157	2877	3162	3050	3134	3057	3253	3233	3147	3254	3145	3250	37771
12-14	27.3	30.5	28.9	49.4	58.6	66.9	69.9	69.4	62.8	53.7	40.9	31.1	50.1
S D	11.631	10.107	10.861	9.550	8.150	6.560	5.436	5.721	7.806	8.916	10.495	10.771	17.699
TOTAL OBS	3158	2880	3159	3060	3162	3080	3252	3233	3130	3255	3146	3249	37786
15-17	27.0	30.6	38.8	49.6	58.4	66.8	69.8	69.4	62.4	53.1	39.9	30.3	49.8
S D	11.416	9.903	10.828	9.386	7.999	6.422	5.309	5.617	7.719	8.878	10.419	10.613	17.700
TOTAL OBS	3156	2880	3162	3058	3149	3060	3252	3231	3147	3252	3145	3247	37759
18-20	24.7	28.0	36.2	47.2	56.3	65.2	68.5	67.7	59.6	49.7	37.1	28.2	47.4
S D	11.563	9.801	10.441	9.207	8.216	6.633	5.432	5.738	8.028	8.895	10.183	10.880	17.954
TOTAL OBS	3154	2880	3161	3060	3161	3057	3161	3164	3072	3179	3144	3239	37432
21-23	23.3	26.4	34.0	44.5	53.7	62.9	66.3	65.5	57.5	47.7	35.9	27.0	44.9
S D	11.968	10.180	10.321	9.274	8.450	6.969	5.636	5.862	8.278	9.019	10.253	11.157	17.788
TOTAL OBS	3154	2879	3156	3028	2940	2849	2943	2942	2862	3001	3145	3215	36115
ALL HOURS	24.2	27.3	35.0	45.8	55.3	64.3	67.5	66.7	59.2	49.5	36.9	27.8	46.7
S D	12.176	10.668	10.942	9.908	8.865	7.213	5.970	6.289	8.693	9.581	10.689	11.255	18.130
TOTAL OBS	23855	21759	23877	23052	23643	22907	24042	24055	23520	24390	23568	24317	282986

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTOUL 36-70

STATION		STATION NAME												YEARS											
MRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	19.2	21.8	29.2	38.8	48.8	59.1	62.6	62.5	54.0	43.6	31.4	22.6	41.0											
	S D	14.277	12.658	11.616	10.673	10.010	8.162	6.782	6.439	9.571	10.371	11.453	12.840	18.852											
	TOTAL OBS	2340	2314	2532	2418	2409	2337	2417	2418	2437	2506	2451	2528	29407											
03-05	MEAN	18.3	21.1	28.2	38.0	48.1	58.4	61.9	61.4	53.2	42.9	30.7	22.1	40.6											
	S D	14.710	13.078	11.751	10.650	9.931	8.130	6.703	6.612	9.766	10.510	11.575	12.988	18.898											
	TOTAL OBS	2510	2285	2509	2424	2310	2427	2540	2541	2538	2633	2392	2506	29817											
06-08	MEAN	17.4	20.1	28.0	39.0	49.5	59.7	63.2	62.2	54.2	43.1	30.9	21.9	41.2											
	S D	15.207	13.218	11.893	10.697	10.044	8.154	6.649	6.852	9.557	10.605	11.643	13.204	19.556											
	TOTAL OBS	3026	2764	3036	2944	3159	3060	3223	3230	3147	3228	3000	3082	36899											
09-11	MEAN	19.4	22.2	29.9	40.4	50.4	60.3	63.5	63.2	55.2	45.1	33.3	23.9	42.4											
	S D	14.723	12.646	12.257	11.403	10.750	8.682	7.500	7.394	10.066	10.784	11.746	12.885	19.207											
	TOTAL OBS	3157	2877	3121	3060	3154	3057	3253	3255	3147	3254	3145	3251	37771											
12-14	MEAN	21.6	24.2	31.2	40.8	50.2	59.9	62.8	62.9	54.4	44.5	33.9	25.5	42.8											
	S D	14.275	12.176	12.301	11.796	10.810	8.753	7.922	7.739	10.462	11.297	11.974	12.605	18.480											
	TOTAL OBS	3158	2880	3159	3060	3162	3060	3252	3255	3130	3255	3146	3248	37785											
15-17	MEAN	21.8	24.6	31.6	41.0	50.1	59.7	62.7	62.9	54.3	44.4	33.8	25.4	42.9											
	S D	14.090	12.026	12.247	11.762	10.838	8.719	7.862	7.623	10.458	11.288	11.812	12.500	18.339											
	TOTAL OBS	3156	2880	3162	3058	3148	3060	3252	3251	3147	3252	3145	3247	37758											
18-20	MEAN	20.4	23.6	31.3	41.3	50.3	60.2	63.8	63.9	54.6	44.2	32.8	24.3	42.6											
	S D	14.018	11.882	11.821	10.973	10.460	8.508	7.360	7.022	9.824	10.682	11.427	12.593	18.731											
	TOTAL OBS	3154	2880	3161	3060	3162	3057	3161	3164	3072	3179	3143	3239	37432											
21-23	MEAN	19.3	22.3	30.2	40.4	49.7	59.6	63.5	63.1	54.2	43.6	31.8	23.5	41.3											
	S D	14.288	12.073	11.576	10.529	10.019	8.359	6.911	6.709	9.544	10.441	11.426	12.822	18.880											
	TOTAL OBS	3152	2879	3156	3026	2940	2849	2943	2942	2862	3001	3146	3215	36113											
ALL HOURS	MEAN	19.7	22.6	30.1	40.1	49.7	59.7	63.0	62.8	54.3	43.9	32.4	23.7	41.9											
	S D	14.515	12.538	12.018	11.146	10.413	8.471	7.281	7.132	9.944	10.795	11.700	12.859	18.888											
	TOTAL OBS	23853	21759	23876	23052	23644	22907	24041	24056	23520	24390	23568	24316	282982											

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

ALL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.7	98.9	96.4	90.1	75.5	50.3	22.2	79.0	23845
FEB		100.0	100.0	100.0	99.2	95.7	86.5	69.6	44.8	18.9	77.0	21751
MAR		100.0	99.9	99.5	96.8	90.7	79.9	63.4	41.1	17.4	74.4	23873
APR		100.0	99.7	97.0	90.6	80.5	67.9	52.1	33.3	14.2	69.2	23042
MAY		100.0	99.7	96.0	87.9	77.1	64.5	49.4	32.6	13.3	67.8	23635
JUN		100.0	100.0	98.1	91.3	80.0	66.2	50.5	32.9	12.3	68.7	22901
JUL		100.0	99.9	98.6	91.9	80.0	65.5	49.8	31.8	10.0	68.4	24036
AUG		100.0	100.0	99.5	95.4	84.7	71.0	56.3	38.1	13.4	71.5	24054
SEP		100.0	99.9	97.8	90.2	78.8	66.3	52.1	34.8	12.7	68.9	23516
OCT		100.0	99.9	97.7	90.3	79.0	66.1	50.9	32.1	13.7	68.6	24385
NOV		100.0	100.0	99.8	98.2	93.1	82.8	66.3	42.8	18.2	75.7	23563
DEC		100.0	100.0	100.0	99.5	97.2	90.9	76.9	52.2	23.4	79.6	24310
TOTALS		100.0	99.9	98.6	94.2	86.1	74.8	59.4	38.9	13.8	72.4	282911

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANDOL

37-70

JAN

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.8	99.6	98.4	95.7	85.1	60.1	26.7	82.2	2536
	03-05	100.0	100.0	99.9	99.4	98.8	95.7	87.2	62.1	29.0	82.8	2509
	06-08	100.0	99.9	99.7	99.5	98.7	95.3	84.1	59.1	24.2	81.7	3023
	09-11	100.0	100.0	99.7	99.1	96.3	87.9	69.7	43.5	18.9	77.2	3157
	12-14	100.0	100.0	99.4	97.1	91.4	77.2	55.9	34.0	16.1	72.8	3157
	15-17	100.0	99.9	99.3	97.8	93.0	82.7	63.5	39.3	17.4	75.0	3155
	18-20	100.0	100.0	99.9	99.2	97.0	92.2	77.1	49.6	21.2	79.3	3154
	21-23	100.0	100.0	99.8	99.4	97.7	94.1	81.7	54.3	23.7	80.7	3154
TOTALS		100.0	100.0	99.7	98.9	96.4	90.1	75.5	50.3	22.2	79.0	23845

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

37-70

FEB

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.9	98.9	96.2	83.3	57.7	24.9	81.6	2312
	03-05	100.0	100.0	100.0	99.8	98.9	95.8	86.3	60.0	26.4	82.3	2285
	06-08	100.0	100.0	100.0	99.8	99.1	94.7	82.1	56.3	22.4	81.0	2764
	09-11	100.0	100.0	100.0	99.4	95.0	81.3	60.0	35.7	16.0	74.3	2876
	12-14	100.0	100.0	99.8	97.1	86.0	67.2	46.3	27.1	12.6	69.1	2880
	15-17	100.0	100.0	99.8	97.6	88.9	71.8	49.1	29.0	13.2	70.5	2878
	18-20	100.0	100.0	100.0	99.8	98.4	90.3	70.9	42.1	16.7	77.4	2878
	21-23	100.0	100.0	100.0	99.9	99.3	95.0	78.7	50.6	19.2	79.7	2878
TOTALS		100.0	100.0	100.0	99.2	95.7	86.8	69.6	44.8	18.9	77.0	21751

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

14806

CHANUTE AFB ILLINOIS/RANTOUL

37-70

MAR

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	99.6	96.6	85.1	57.1	23.4	81.6	2532
	03-05	100.0	100.0	100.0	100.0	100.0	98.0	87.7	62.4	27.4	83.0	2509
	06-08	100.0	100.0	100.0	99.9	99.4	94.4	80.4	54.6	22.2	80.7	3035
	09-11	100.0	100.0	99.7	96.8	87.7	69.4	48.0	29.5	13.8	70.0	3161
	12-14	100.0	99.6	98.1	89.6	72.0	53.2	34.5	22.3	10.2	63.5	3159
	15-17	100.0	99.6	98.1	89.4	73.8	53.9	36.4	22.0	10.3	64.0	3162
	18-20	100.0	100.0	99.9	99.0	93.9	81.2	59.0	34.5	13.6	73.7	3161
	21-23	100.0	100.0	100.0	99.8	99.2	92.7	75.9	46.3	18.3	78.8	3154
TOTALS		100.0	99.9	99.5	96.8	90.7	79.9	63.4	41.1	17.4	74.4	23873

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

## RELATIVE HUMIDITY

37-72

APR

STATION

STATION NAME

PERIOD

**MONTH**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.9	99.3	96.9	89.8	73.6	48.4	21.1	78.6	2414
	03-05	100.0	100.0	100.0	99.8	98.5	94.0	81.3	58.0	25.5	81.3	2424
	06-08	100.0	100.0	99.9	99.0	95.9	84.2	65.7	41.9	17.1	76.1	2944
	09-11	100.0	99.8	97.2	88.8	70.4	52.0	33.9	21.0	9.2	62.8	3059
	12-14	100.0	98.9	90.9	74.4	54.3	38.5	26.3	16.2	7.2	56.2	3058
	15-17	100.0	98.8	90.2	73.2	54.4	39.4	26.6	15.9	6.8	56.1	3056
	18-20	100.0	99.9	98.1	91.7	78.9	63.1	44.9	26.2	10.8	67.0	3059
	21-23	100.0	100.0	100.0	98.9	93.9	82.4	64.1	38.4	15.7	75.1	3028
TOTALS		100.0	99.7	97.0	90.6	80.5	67.9	52.1	33.3	14.2	69.2	23042

USAFETAC      FORM 0-87-5 (OL 1)  
JUL 64

## RELATIVE HUMIDITY

MAY  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.6	97.3	90.6	74.4	52.3	23.7	79.6	2407
	03-05	100.0	100.0	100.0	99.8	98.6	94.7	82.7	61.3	28.1	82.4	2507
	06-08	100.0	100.0	99.8	98.3	92.4	79.8	59.7	37.2	15.8	74.1	3159
	09-11	100.0	99.8	96.2	83.3	64.9	45.4	30.0	18.7	6.8	60.1	3154
	12-14	100.0	99.1	88.2	68.6	49.8	34.6	23.0	13.7	4.2	53.7	3160
	15-17	100.0	98.8	86.8	68.4	50.8	36.7	24.0	14.2	4.3	54.0	3147
	18-20	100.0	99.8	97.0	86.7	72.0	56.1	40.9	24.3	8.2	64.1	3161
	21-23	100.0	100.0	99.9	98.2	91.2	78.3	60.4	39.1	15.4	74.0	2940
TOTALS		100.0	99.7	96.0	87.9	77.1	64.5	49.4	32.6	13.3	67.8	23635



## RELATIVE HUMIDITY

37-70

JLN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.9	99.1	95.3	82.2	59.0	25.3	81.8	2337
	03-05	100.0	100.0	100.0	100.0	99.5	97.7	89.6	69.0	30.8	84.4	2425
	06-08	100.0	100.0	100.0	99.3	95.3	83.5	63.1	37.7	11.6	74.7	3059
	09-11	100.0	100.0	98.6	89.3	70.5	47.5	27.7	13.6	4.4	60.6	3057
	12-14	100.0	99.9	94.7	76.4	51.6	32.4	18.1	8.5	2.5	53.9	3059
	15-17	100.0	99.9	93.1	73.9	51.5	33.2	19.7	11.1	3.1	54.2	3060
	18-20	100.0	100.0	98.8	91.9	76.4	56.4	39.3	22.7	6.4	64.7	3055
	21-23	100.0	100.0	99.9	99.3	95.7	83.5	63.9	41.6	14.5	75.5	2849
TOTALS		100.0	100.0	98.1	91.3	80.0	66.2	50.5	32.9	12.3	68.7	22901

## RELATIVE HUMIDITY

JUL  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.7	96.2	84.9	60.8	20.4	81.9	2416
	03-05	100.0	100.0	100.0	100.0	99.8	98.3	91.7	74.3	27.8	85.2	2540
	06-08	100.0	100.0	99.9	99.8	96.8	86.2	67.3	40.7	11.3	75.8	3220
	09-11	100.0	100.0	99.2	91.0	69.8	44.2	23.8	10.4	2.8	59.6	3253
	12-14	100.0	99.8	95.6	74.7	47.2	25.3	11.8	5.2	1.4	51.7	3252
	15-17	100.0	99.6	94.6	75.6	48.0	26.4	12.6	5.0	1.4	51.7	3252
	18-20	100.0	100.0	99.4	94.5	81.0	58.5	35.6	15.8	4.1	64.4	3160
	21-23	100.0	100.0	100.0	99.6	97.8	89.0	70.3	42.1	10.9	76.6	2943
TOTALS		100.0	99.9	98.6	91.9	80.0	65.5	49.8	31.8	10.0	68.4	24036

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

AUG

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.8	98.6	93.1	73.1	27.9	85.1	2418
	03-05	100.0	100.0	100.0	100.0	99.9	99.1	96.4	81.7	39.3	87.6	2539
	06-08	100.0	100.0	100.0	100.0	99.1	93.7	78.3	51.5	16.5	79.7	3230
	09-11	100.0	100.0	99.8	95.3	79.0	50.6	26.7	11.6	2.9	62.0	3255
	12-14	100.0	100.0	98.4	84.5	53.1	27.9	13.2	5.7	1.3	53.9	3255
	15-17	100.0	100.0	98.1	84.8	55.2	29.4	13.6	6.0	1.5	54.4	3251
	18-20	100.0	100.0	99.9	98.8	92.0	73.5	46.7	21.8	4.5	69.3	3164
	21-23	100.0	100.0	100.0	99.9	99.5	95.0	82.3	53.4	12.9	79.9	2942
TOTALS		100.0	100.0	99.5	95.4	84.7	71.0	56.3	38.1	13.4	71.5	24054

USAFETAC

FORM  
JUL 64

0 87-5 (OL 1)

## RELATIVE HUMIDITY

34-70

SEP  
MON

MONTH	HOURS DURST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	99.0	97.2	95.0	83.5	58.8	20.5	81.5	2456
	03-05	100.0	100.0	100.0	100.0	99.7	97.8	90.8	72.5	29.8	84.9	2538
	06-08	100.0	100.0	99.9	99.7	98.0	92.1	77.9	53.1	19.4	79.9	3147
	09-11	100.0	99.9	98.6	89.4	67.3	43.6	25.4	13.6	4.9	59.8	3147
	12-14	100.0	99.6	94.2	86.2	41.5	24.6	13.7	8.2	3.3	50.6	3150
	15-17	100.0	99.8	92.3	69.2	44.5	27.2	16.4	9.5	4.0	51.8	3145
	18-20	100.0	100.0	99.6	95.9	83.9	62.3	39.7	21.5	7.5	66.6	3072
	21-23	100.0	100.0	100.0	99.5	96.6	87.9	69.4	41.3	12.5	76.4	2861
TOTALS		100.0	99.9	97.8	90.2	78.0	66.3	52.1	34.8	12.7	68.9	23516

USAFETAC FORM 0-87.5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

OCT

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.7	96.7	90.9	75.5	48.4	20.7	79.0	2585
	03-05	100.0	100.0	100.0	99.6	98.4	94.4	84.7	59.2	27.6	82.2	2633
	06-08	100.0	100.0	100.0	99.7	97.5	90.6	75.8	51.1	22.0	79.5	3226
	09-11	100.0	100.0	98.4	88.3	69.1	47.5	29.6	17.5	7.4	61.4	3254
	12-14	100.0	99.4	90.4	67.6	42.5	27.6	17.9	10.9	5.1	51.7	3255
	15-17	100.0	99.5	93.0	72.3	49.3	31.8	20.7	11.6	5.6	53.9	3252
	18-20	100.0	100.0	99.6	96.0	83.5	63.1	41.6	22.0	8.6	67.1	3179
	21-23	100.0	100.0	99.8	99.1	94.7	83.1	61.0	36.1	12.7	74.3	3001
TOTALS		100.0	99.9	97.7	90.3	79.0	66.1	50.9	32.1	13.7	68.6	24385

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

## RELATIVE HUMIDITY

NOV  
MON

MONTH	HOURS (L S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NDV	00-02	100.0	100.0	100.0	99.9	99.3	95.8	82.8	56.1	23.6	81.2	2450
	03-05	100.0	100.0	100.0	100.0	99.7	97.2	87.9	62.5	26.8	83.0	2391
	06-08	100.0	100.0	100.0	100.0	99.7	97.0	85.7	60.4	26.1	82.6	3000
	09-11	100.0	100.0	99.9	98.5	91.8	75.6	53.8	31.5	14.1	72.2	3144
	12-14	100.0	99.9	98.8	92.3	75.2	53.2	33.8	19.8	9.9	63.8	3145
	15-17	100.0	100.0	99.3	95.1	83.6	64.4	43.1	24.3	10.8	67.6	3145
	18-20	100.0	100.0	100.0	99.5	96.8	87.0	66.4	38.6	15.1	75.9	3142
	21-23	100.0	100.0	100.0	99.9	98.5	92.4	76.6	49.0	18.9	79.1	3146
TOTALS		100.0	100.0	99.8	98.2	93.1	82.8	66.3	42.8	18.2	75.7	23563

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

14806 CHANUTE AFB ILLINOIS/RANTOUL

36-70

DEC

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.5	96.8	87.2	61.3	28.6	82.9	2528
	03-05	100.0	100.0	100.0	99.9	99.4	97.6	88.6	65.9	30.6	83.8	2505
	06-08	100.0	100.0	100.0	99.9	99.6	97.7	89.4	63.9	28.1	83.4	3081
	09-11	100.0	100.0	99.9	99.8	97.2	88.5	69.0	44.1	20.0	77.5	3249
	12-14	100.0	100.0	99.8	97.8	90.5	74.6	53.9	33.5	15.5	72.0	3248
	15-17	100.0	100.0	99.9	98.8	93.7	82.5	63.9	39.1	16.6	75.0	3247
	18-20	100.0	100.0	100.0	99.9	98.5	93.7	79.5	52.0	21.9	80.1	3238
	21-23	100.0	100.0	100.0	100.0	99.4	95.8	83.7	57.6	25.7	81.8	3214
TOTALS		100.0	100.0	100.0	99.5	97.2	90.9	76.9	52.2	23.4	79.6	24310

USAFETAC

FORM  
JUL 64

0-87-5 (OL 1)

U.S. AIR FORCE DIVISION  
WALLINGFORD, NEW HAMPSHIRE  
WALLINGFORD, NEW HAMPSHIRE

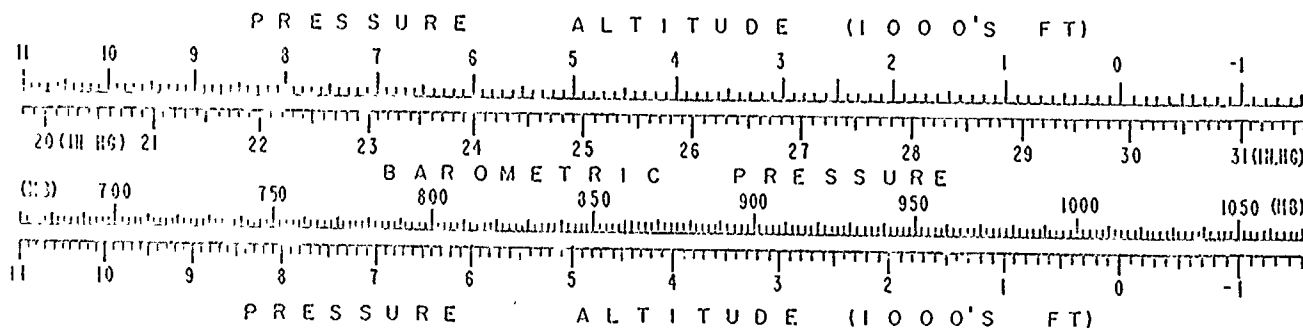
## PART F

## PRESSURE SUMMARY

Presented in this part are tables giving the means, standard deviations, and total number of observations of station pressure by month and annual for the local hourly observations, corresponding to the local hourly observations. The same computations are also provided at the bottom of the page for all years of data available are combined in both of these tables, although the overall total is limited to January 1948 through December 1963 because of changes in reporting practices before and after these dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14806 CHANUTE AFB ILLINOIS/RANTJUL 46-63,65-70

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN S D TOTAL OBS	29.28429 .241 558	29.25529 .242 508	29.18429 .237 558	29.16829 .214 540	29.16929 .131 523	29.16629 .128 510	29.21329 .101 527	29.22629 .100 527	29.25429 .146 526	29.26729 .175 557	29.23229 .229 540	29.274 .238 558	29.225 .196 6432
03	MEAN S D TOTAL OBS	29.28829 .241 558	29.24829 .245 508	29.17429 .241 558	29.15829 .218 534	29.16629 .155 527	29.16129 .131 510	29.20629 .106 527	29.22029 .103 527	29.25129 .149 526	29.26429 .181 550	29.22929 .239 508	29.270 .239 527	29.220 .200 6360
06	MEAN S D TOTAL OBS	29.29829 .242 589	29.26029 .249 536	29.19229 .244 589	29.17929 .223 574	29.20329 .167 713	29.18929 .135 690	29.23029 .111 744	29.24329 .110 744	29.27429 .147 719	29.27729 .183 721	29.23929 .237 570	29.272 .243 588	29.238 .196 7777
09	MEAN S D TOTAL OBS	29.32529 .246 713	29.28629 .249 649	29.22429 .243 713	29.20229 .222 690	29.21229 .169 712	29.19929 .136 688	29.24429 .111 736	29.25829 .112 744	29.29229 .150 720	29.29629 .185 744	29.26129 .234 720	29.292 .248 744	29.258 .202 8573
12	MEAN S D TOTAL OBS	29.29729 .251 713	29.26929 .248 649	29.20829 .238 713	29.18329 .219 690	29.19329 .162 713	29.18129 .132 690	29.22829 .109 744	29.24229 .107 744	29.26829 .145 720	29.26729 .180 744	29.23529 .232 720	29.266 .243 743	29.237 .199 8583
15	MEAN S D TOTAL OBS	29.27529 .248 713	29.23629 .244 649	29.17129 .234 713	29.15229 .214 689	29.16429 .156 713	29.15029 .128 690	29.19729 .107 738	29.20929 .105 744	29.22829 .143 718	29.23429 .173 744	29.21329 .227 718	29.245 .239 744	29.207 .195 8573
18	MEAN S D TOTAL OBS	29.29329 .243 713	29.25429 .237 649	29.18029 .227 713	29.15229 .209 690	29.15929 .150 713	29.14029 .123 688	29.18529 .104 744	29.20029 .103 744	29.23029 .141 700	29.24329 .169 727	29.23329 .221 719	29.265 .234 744	29.211 .192 8544
21	MEAN S D TOTAL OBS	29.29929 .241 713	29.26629 .235 649	29.19629 .228 713	29.17629 .210 689	29.18329 .151 713	29.16529 .123 690	29.20729 .102 738	29.22129 .103 743	29.25529 .141 692	29.25929 .170 714	29.24229 .221 720	29.269 .238 732	29.228 .191 8506
ALL HOURS	MEAN S D TOTAL OBS	29.29529 .245 5270	29.26029 .244 4797	29.19229 .237 5270	29.17229 .216 5096	29.18229 .159 5327	29.16929 .131 5156	29.21429 .108 5498	29.22829 .107 5517	29.25729 .146 5321	29.26329 .178 5501	29.23629 .230 5215	29.269 .241 5380	29.228 .197 63348

DATA PROCESSING DIVISION  
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# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14806 CHANDLER AFB ILLINOIS/RANTOUL 45-70

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00	MEAN	1019.6	1018.6	1019.9	1015.1	1014.7	1014.2	1015.8	1016.3	1017.5	1018.3	1017.5	1019.4	1016.9	
	S D	8.729	8.676	8.459	7.602	5.380	4.581	3.638	3.536	5.242	6.112	8.082	8.500	7.084	
	TOTAL OBS	589	565	612	570	554	539	557	558	556	588	570	588	6846	
03	MEAN	1020.0	1018.6	1015.6	1014.8	1014.6	1014.1	1015.5	1016.1	1017.4	1018.2	1017.4	1019.2	1016.8	
	S D	8.648	8.769	8.552	7.743	5.543	4.681	3.809	3.643	5.310	6.319	8.422	8.536	7.180	
	TOTAL OBS	558	536	589	564	558	539	558	558	555	581	538	557	6691	
06	MEAN	1020.0	1018.8	1016.3	1015.4	1015.8	1015.1	1016.4	1016.9	1018.3	1018.8	1018.0	1019.3	1017.4	
	S D	8.756	8.908	8.617	7.785	5.809	4.775	3.947	3.927	5.191	6.358	8.451	8.822	7.038	
	TOTAL OBS	651	620	682	663	806	780	805	806	779	781	620	651	8636	
09	MEAN	1021.1	1019.7	1017.3	1016.1	1016.1	1015.4	1016.8	1017.3	1018.9	1019.4	1018.6	1020.0	1018.0	
	S D	8.853	8.699	8.579	7.804	5.872	4.788	3.917	3.953	5.239	6.422	8.347	8.942	7.248	
	TOTAL OBS	775	734	806	780	805	778	803	805	780	806	780	806	9458	
12	MEAN	1020.0	1019.0	1016.7	1015.6	1015.4	1014.7	1016.3	1016.9	1018.0	1018.3	1017.6	1019.1	1017.3	
	S D	9.024	8.848	8.375	7.723	5.678	4.660	3.872	3.697	5.167	6.202	8.185	8.734	7.112	
	TOTAL OBS	713	679	745	706	715	708	745	744	720	744	720	743	8682	
15	MEAN	1019.3	1017.9	1015.4	1014.5	1014.4	1013.7	1015.2	1015.7	1016.6	1017.2	1016.9	1018.4	1016.3	
	S D	8.995	8.691	8.178	7.531	5.490	4.531	3.836	5.697	5.120	5.986	8.035	8.584	7.003	
	TOTAL OBS	712	679	744	705	713	706	745	744	718	744	710	744	8672	
18	MEAN	1020.0	1018.6	1015.8	1014.4	1014.2	1013.4	1014.8	1015.4	1016.8	1017.6	1017.7	1019.0	1016.5	
	S D	8.737	8.430	8.089	7.335	5.251	4.382	3.677	3.660	4.990	5.886	7.897	8.517	6.957	
	TOTAL OBS	774	732	806	771	806	778	806	806	760	788	778	806	9411	
21	MEAN	1020.2	1019.0	1016.3	1015.2	1015.1	1014.3	1015.5	1016.1	1017.6	1018.1	1017.0	1019.2	1017.0	
	S D	8.695	8.375	8.151	7.389	5.290	4.375	3.621	3.668	4.977	5.953	7.870	8.607	6.909	
	TOTAL OBS	774	733	806	780	806	779	806	806	752	776	780	795	9393	
ALL HOURS	MEAN	1020.0	1018.8	1016.2	1015.2	1015.1	1014.4	1015.8	1016.3	1017.6	1018.3	1017.7	1019.2	1017.0	
	S D	8.819	8.702	8.379	7.624	5.585	4.642	3.847	3.783	5.195	6.186	8.158	8.668	7.083	
	TOTAL OBS	5546	5278	5790	5539	5763	5607	5825	5827	5620	5810	5514	5690	67809	